Database :	Searched:	Scoring table:	Title: Perfect score: Sequence:	Run on:	OM protein - pr	
SPTREMBL_10:* 1: sp_archea:* 2: sp_bacteria:* 3: sp_fungi:* 4: sp_human:* 5: sp_inwertebrate:* 6: sp_mammal:* 7: sp_mhc:* 8: sp_organelle:* 9: sp_plage:* 10: sp_plant:* 11: sp_virus:* 12: sp_virus:* 13: sp_vertebrate:* 14: sp_unclassified:*	201082 seqs, 61543640 residues	BLOSUM62	US-09-104-063-4 1830 1 MEGISIYTSDNYTEEMGSGDKRGGHSSVSTESESSSFHSS 352	September 14, 1999, 09:51:02; Search time 16.15 Seconds (without alignments) 1341.385 Million cell updates/sec	- protein search, using sw model	GenCore version 4.5 Copyright (c) 1993 - 1998 Compugen Ltd.

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	œ	7	σ	ъ	4	ω	2	-	NO.	Pecu 1 +
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45	44	43	42	41	40	39	38	37	36	35 5	34	33	32	31	30
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ALIGNMENTS

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233 QKRKALKTTVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAF 292 	173 IFANVSEADDRYICDRFYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGH 232 	113 HVIYTVNLYSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDF 172 	53 IVGNGLVILVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAV 112 	1 MEGISIYTSDNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTG 52 	Query Match 99.2%; Score 1816; DB 4; Length 360; Best Local Similarity 97.8%; Pred. No. 2.3e-138; Matches 352; Conservative 0; Mismatches 0; Indels 8; Gaps	coupled receptor; Transmembra 360 AA; 40607 MW; 110EB9E6	PF00001; 7tm_1; 1. PE; PS00237; G_PROTEIN_	<pre>IMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED AJ224869; CAA12166.1;</pre>	tt. 426:271-278(1998)	mic organization and pi ";	IZIER J.L., PARMENTIER M., ARENZANA-SEISDEDOS F.;	EDLINE; 98258970.	SEQUENCE FROM N.A.	Catarrhini; Hominidae; Homo.	Homo sapiens (Human). Eukarvota: Metazoa: Chordata: Craniata: Vertebrata: Mammalia:		i-may-1999 (TremBlrel, 10, Last XCR4 GENE ENCODING RECEPTOR CXC	01-AUG-1998 (TremBirel. 07, Last sequence update)	50835; 1-AMG-1998 (TreMBIre) 07	060835 PRELIMINARY; PRT; 360 AA.	1 3 5

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                                                               Q62973; PRELIMINARY;
Q62973;
01-NOV-1996 (TrEMBLrel. 0:
01-NOV-1996 (TrEMBLrel. 0:
01-MAY-1999 (TrEMBLrel. 1:
CHEMOKINE RECEPTOR LCRI.
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-:- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN (BY SIMILARITY).
-:- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
EMBL; AB015943; BAA31327.1; -.
EMBL; AB015943; BAA31327.1; -.
PFAM; PF00001; 7tm.1; 1.
PROSITE; PS000237; G_PROTEIN_RECEPTOR; 1.
G-protein coupled receptor; Transmembrane; Glycoprotein.
SEQUENCE 352 AA; 39773 MW; BD6D5150 CRC32;
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"CDNA sequence of African
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                      Rattus norvegicus (Rat).
Eukaryota; Metazoa; Chordata;
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-!- SUBLE-

-!- SIMILARITY: BLL-

EMBL; Y17895; CAA76924.1; -.

EMBL; Y17894; CAA76923.1; -.

EMBL; Y17894; CAA76923.1; -.

PROSITE; P$00237; G_PROTEIN_RECEPTOR; 1.

PROSITE; P$00237; G_PROTEIN_RECEPTOR; 1.

PROSITE; P$00237; G_PROTEIN CEPTOR; 1.

PROSITE; P$00237; G_PROTEIN CEPTOR; 1.
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-!- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
EMBL; U54791; AABO1981.1; -.
PFAM: PF00001; 7tm_1; 2.
PROSITE; PF00237; G_PROTEIN_RECEPTOR; 1.
G-protein coupled receptor; Transmembrane; Glycoprotein.
SEQUENCE 332 AA; 37442 MW; COEAB84B CRC32;
                                                                                             Xenopus laevis (African clawed frog).
Eukaryota; Metazoa; Chordata; Vertebrata; Amphibia; Bat
Mesobatrachia; Pipoidea; Pipidae; Xenopodinae; Xenopus.
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STRAIN-SPRAGUE-DAWLEY;
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Psych. 0:0-0(0)
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Pred. No. 6.1e-117;
6; Mismatches 16;
                                                                                                                                                                                                                                                                                                                              PRT;
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Query Match Best Local Similarity

75 75 . 18;

Score 1386; DB 13;
Pred. No. 7.1e-104;

Length

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -!- SUBCELLULAR LOCATION: INTEGRAL MEMBRÂNE PROTEIN (BY SIMILARITY).
-!- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
EMBL; AJ00139; CAA04493.1; -
PFAM; PF00001; 7tm_1; 1.
PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1.
G-protein coupled receptor; Transmembrane; Glycoprotein.
SEQUENCE 357 AA; 39817 MW; 6D892EFE CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Oncorhynchus mykiss (Rainbow trout) (Salmo gairdneri).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Actinopterygii;
Neopterygii; Teleostei; Euteleostei; Protacanthopterygii;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DANIELS G.D., CHARLEMAGNE J., SECOMBES "Cloning and sequencing of a rainbow to chemokine receptor homolog.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
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O1-MAY-1999
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093247;
01-NOV-1998
01-NOV-1998
01-MAY-1999
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"CDNA cloning of a carp homologue of mammalian CXCR4.";

Submitted (MAR-1998) to the EMBL/GenBank/DBJ databases.

-i- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN (BY SIMILARITY).

-i- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.

EMBL; AB012310; BA32797.1; -.

PEAM; PE00031; 7tm_1; 1.

PROSITE; PE00237; G_PROTEIN RECEPTOR; 1.

G-protein coupled receptor; Transmembrane; Glycoprotein.

G-protein coupled as 39633 MM; 23DD5347 CRC32;
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Neopterygii, Teleostei; Euteleostei; Ostariophysi;
Cyprinoidea; Cyprinidae; Cyprininae; Cyprinus.
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                                                                                                                                                                                                                                        ISLDRYLAVVRATNSQNFRRVLAEKVIYLGVWLPASLLTVPDLVFAKVHDTGMNTICELT
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                                                                                                                                                                       ILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAF
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                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                      PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                61.3%; Score 1121.5; DB 64.1%; Pred. No. 1.2e-82;
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Last sequence up
Last annotation
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          sequence update)
annotation update)
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CHEMOKINE

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SOTO H., WANG W., STRIETER R.M., COPELAND N.G., J., JENKINS N.A., HEDRICK J., ZLOTNIK A.;

"The CC chemokine 6Ckine binds the CXC chemokine receptor CXCR3.";

Proc. Natl. Acad. Sci. U.S.A. 95:8205-8210(1998).

EMBL; AF045146; AAC40163.1;

PFAM; PF00001; 7fm_1; 1.

PFAM; PF00001; 7fm_1; 1.

PFAM; PF00001; 7fm_1; 1.

PFAM; PF00001; 7fm_1; 0.37CB161 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   O15185 PRELIMINARY; PRT; 415 AA. 015185; O1-JAN-1998 (TrEMBLrel. 05, Created) O1-JAN-1998 (TrEMBLrel. 05, Last sequence update) O1-NOV-1998 (TrEMBLrel. 08, Last annotation update G PROTEIN-COUPLED RECEPTOR CKR-L2.
                                                                                                                                                                                                                                                                                                                                             GUTIERREZ J., VARONA R., ZAB/
Submitted (SEP-1996) to the I
EMBL; 279783; CAB02143.1; -.
PFAM; PF00001; 7tm_1; 1
                                                                                                                                                                                                                                                                                                                           SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens (Human).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
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                                                                                                                  DNYTEEMGSGDYDS----MKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVILVMGY 65
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   QKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVL
                                                            ENFSSSYDYGENESDSCCTSPPCPQDFSLNFDRAFLPALYSLLFLLGLLGNGAVRAVLLS 127
                                                                                                                                                                                                                                                                                                                           415 AA;
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ilarity 35.0%;
Conservative 7
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                                                                                                                                                                                                                                                                                                                           45608 MW;
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he EMBL/GenBank/DDBJ
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Pred. No. 4.8e-39;
1; Mismatches 133
                                                                                                                                                                           Score 574.5; DB
Pred. No. 1e-38;
0; Mismatches 1
                                                                                                                                                                                                                                                                                                                        EB0DF045 CRC32;
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MEDLINE; 99077268

VARONA R., ZABALLOS A., GUTIERREZ J., MARTIN P., ROI VARONA R., ZABALLOS A., GUTIERREZ J., MARTIN P., ROI VARONA R., ZABALLOS A., GUTIERREZ J., MARTIN P., ROI VARONA R., ZABALLOS A., GUTIERREZ J., MARTIN P., ROI VARONA R., ZABALLOS A., GUTIERREZ J., MARTIN P., ROI VARONA R., ADALOS A., GUTIERREZ J., MARTIN P., ROI VARONA R., ADALOS A., GUTIERREZ J., MARTIN P., ROI VARONA R., ROI V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 127; Conserv
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Best Local :
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                                                                    ELQDRDVCEPRYRSVSEPITWKLLGMGLELFFGFFTPLLFMVFCYLFIIKTLVQAQNSKR
                                                                                                                                EADDRYICDREYPN----DLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQK
                                                                                                                                                                                                            NCGMLLLACISMDRYIAIVQATKSFRVRSRTLTHSKVICVAVWFISIIISSPTFIFNKKY
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Metazoa; Chordata; Craniata; Ver
Mentia; Sciurognathi; Muridae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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ne EMBL/GenBank/DDBJ
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ae; Murinae;
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.5e-38;
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Best Local
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093281;
093281;
01-NOV-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
STRAIN-BREED BEAGLE;
CHANG Y.F., NOVOSEL V.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Canis familiaris (Dog).
Eukaryota; Metazoa; Chordata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAY-1999 (TIEMBLIEL 10, 01-MAY-1999 (TIEMBLIEL 10, 01-MAY-1999 (TIEMBLIEL 10, INTERLEUKIN-8 RECEPTOR.
                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                  Submitted (FEB-1998) to the EMBL; AF047047; AAC98968.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eutheria; Carnivora; Fissipedia;
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                                                                                      SSSF
                                                                                                                      AFFHCCLNPILYAFLGAKF----
                                                                                                                                                       GHQKRKALKTTVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEAL
                                                                                                       GFFHSCLNPLIYAFIGQKFRHGLLKIMAFHGLI-----SKEYLPKDSRPSFVGSSSANT
                                                                                                                                              MGQKHRAMRVIFAVVLVFLLCWLPY--NLVADTLMRLQAIEETCQRRNDIGRALDATEIL
                                                                                                                                                                                                                          VNFYSGILLLASISMDRYLAIVHATRRLTQKKHWV-KFICLGIWALSLILSLPIFVFRRA
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                                                                                                                                                                                   INPPYSSPVC----YEDMGTNTTKLRIVMRALPQTFGFIVPLMIMLFCYGLTLRTLFEAH
                                                                                                                                                                                                       VSEADDRYICDREYPNDLWVVVFQFQHIM-----VGLILPGIVILSCYCIIISKLSHSK
                                                                                                                                                                                                                                                                                                        DNYSLEDLFGDIDNYTYNTEMPIIPADSAPC-RPESLDINKYAVVVIYVLVFVLNLLGNS
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                                                                                                                                                                                                                                                                                                                                                                                                356 AA;
(TrEMBLrel.
                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                Conservative
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35.2%;
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                                                                                                                                                                                                                                                                                                                                               69;
                                                                                                                                                                                                                                                                                                                                              Score 564; DB Pred. No. 6.2e-59; Mismatches
Created
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Last sequence up
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                                                                                                                           -KTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESE
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                   PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Craniata; Vertebrata; Mammalia; ia; Canidae; Canis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         C.F.;
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Query Match Best Local

Similarity

29.3%; 30.7%;

Score Pred.

535.5; DB 11; No. 1.3e-35;

Length 378;

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RESULT
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Best Local Similarity
Matches 118; Conserv
NIBBS R.J.B., WYLIE S.M., PRAG
Submitted (MAY-1997) to the EM
EMBL; Y12879; CAA73379.1; -.
MGD; MGI:109630; CMKBR9.
PFAM; PF00001; 7tm_1; 1.
SEQUENCE 378 AA; 43255 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GUPTA S.K., PILLARISETTI K., G
"Molecular cloning of a novel
stage chick embryos.",
Biochem. Mol. Biol. Int. 44:67
EMBL, AF029369, AAC23950.1;
--
PFAM, PF000001; 7m.1; 2.
SEQUENCE 392 AA; 44760 MW;
                                                                                                          Mus musculus (Mouse).
Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Eurthoria; Rodentia; Sciurognathi; Muridae; Murinae;
                                                                                                                                                                              008707;
01-JUL-1997 (TrEMBLrel. 04, Created)
01-JUL-1997 (TrEMBLrel. 04, Last sequence update)
01-NOV-1998 (TrEMBLrel. 08, Last annotation update)
CHEMOKINE (C-C) RECEPTOR 9 (BETA-CHEMOKINE RECEPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-NOV-1998 (Tremblrel. 08, 01-MAY-1999 (Tremblrel. 10, PUTATIVE CHEMOKINE RECEPTOR. CRL1.
                                                                                    SEQUENCE FROM N.A. STRAIN-C3H;
                                                                                                                                                                    CMKBR9
                                                                                                                                                                                                                                                 008707
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                                                                                                                                                                                                                                                                                                                                          FHCCLNPILYAFLGAKFKTS---AQHALTSVSRGSSLKILSKGKRG-GHSSVSTESESS
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                                                                                                                                                                                                                                                                                                                                                                                               QKRKALKTTVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAF 292
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LVILERFKRSRTTTENFLFHLTLANLALLLTFPFSVVESLAGWVFGTFLCKILSAVHKIN 155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          YEAENTTPSL-EGYF-----CFNPSSLWLANQRDPFRKVFIPLAYLLMFVLGTVQNALV 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Metazoa; Chordata; Craniata; Vertebrata; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                  PRELIMINARY;
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  7tm_1; 1.
AA; 43255 MW;
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                                                       PRAGNELL I.B., GRAHAM G.J.;
ne EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Score 544; DE; Pred. No. 2.86
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Last annotation updat
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.8e-36;
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I 01-MAY-1999 (TrEMBLTel. 10
01-MAY-1999 (TrEMBLTel. 10
74FMOKINE RECEPTOR.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUE-SPLEEN;
MARGULLES B.J., HAUER D.A., CLEMENTS J.E.;
"Identification and characterization of thirteen rhesus chemokine receptors and chemokine receptor homologues.";
Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Macaca mulatta (Rhesus macaque).
Eukaryota; Metazoa; Chordata; Craniata; Vertebra:
Eutheria; Primates; Catarrhini; Cercopithecidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                chemokine receptors and cher
Submitted (CCT-1998) to the
EMBL; AF100205; AAC72403.1;
Receptor.
SEQUENCE 356 AA; 41210 M
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                                                  QCYSFYNQQTLKWK1FTNFEMNILGLL1PFT1FMFCY1K1LHQLKRCQNHNKTKA1RLVL
                                                                                                                                                                                                                                                         CKKLRNITDIYLLNLALSDLLFVFSFPFQTYYQLDQWVFGTVMCKVVSGFYYIGFYSSMF
                                                                                                                                                                                                                                                                                    OKKLRSMTDKYRLHLSVADLLEVITLPEWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVL 125
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ILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILY
                                                                                               ICDRFYPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTV
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Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 528; DB 6;
Pred. No. 4.8e-35;
5; Mismatches 153
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thecidae; Cercopithecinae;
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                                                                               01-JUN-1998
01-JUN-1998
01-MAY-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rattus norvegicus (Rat).
Rattus norvegicus (Rat).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
SEQUENCE FROM
                               Eukaryota;
                                 Rattus norvegicus (Rat).
Eukaryota; Metazoa; Chordata;
                                                         CMKBR
                                                                                                                   055193;
                                                                                                                              055193
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Submitted (MAR-1997) to th
EMBL; U92803; AAB61572.1;
PFAM; PF00001; 7tm_1; 1.
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01-JUL-1997 (TrEMBLrel.
01-NOV-1998 (TrEMBLrel.
                       Rodentia;
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                                                               JUN-1998 (TIEMBLIER 06,
JUN-1998 (TIEMBLIER 06,
MAY-1999 (TIEMBLIER 10,
CHEMOKINE RECEPTOR TYPE
                                                                                                                                                                                                            AFFHCCLNPILYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESS 347
                                                                                                                                                                                                                                    G----RALRWAAALVVVFFLLWFPYNLTLFLHSLLDLHVF-GNCKISHRLDYMLQVTESL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  GISIYTSDNYTEEMGSGDYDSMKE----PCFREENANFNKIFLPTIYSIIFLTGIVGNGL
                                                                                                                                                                                      AFSHCCFTPVLYAFSSHSFRQYLKAVLSVVLR-----RHQAPGTAHAPPCSHSESS
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                                                                                                                                                                                                                                                                                                        SEA-DDRYICDRFYPN--DLWVVVFQFQHIMVGLILPGIVILSCY----CIIISKLSHSK
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                    Sciurognathi;
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Pred. No. 6.8e-35;
0; Mismatches 131;
                                 Vertebrata;
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                      Murinae;
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Rattus.
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Matches 107; Conserv
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allergic encephalomyelitis.";
J. Neuroimmunol. 86:1-12(1998).
-i- FUNCTION: RECEPTOR FOR THE MCP-1 (JE), MCP-3 (FIC) AND MCP-5
-i- FUNCTION: TEANSDUCES A SIGNAL BY INCREASING THE INTRACELLULAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN-SPRAGUE DAWLEY;
MEDLINE; 98318173.
JIANG Y., SALAFRANCA M.N., AD
DEFIEBRE C.M., PENNELL N.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1. PFAM; PF00001; 7tm_1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JIANG Y., SALAFRANCA M.N., ADHIKARI S., XIA Y., FENG L., SONNTAG M.K., DEFIEBRE C.M., PENNELL N.A., STREIT W.J., HARRISON J.K.; "Chemokine receptor expression in cultured glia and rat experimental
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TISSUE SPECIFICITY: EXPRESSED IN LUNG, SPLEEN, KIDNEY, THYM
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                     FLGAKFK 310
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FVGEKFR 326
                                                                                   MIVYFLFWTPYNIVLFLTTF - - QEFLGMSNCVVDMHLDQAMQVTETLGMTHCCVNPIIYA 319
                                                                                                                              ILAFFACWLPYYIGISIDSFILLEII-KQGCEFENTVHKWISITEALAFFHCCLNPILYA 303
                                                                                                                                                                           YFPT-IWK---NFQTIMRNILSLILPLLVMVICYSGILHTLFRCRNEKKRHRAVRLIFAI 261
                                                                                                                                                                                                                                                                                                                                                            LKSMTDIYLFNLAISDLLELLTLPFWAHYAANEWVFGNIMCKLFTGLYHIGYFGGIFFII 145
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Pred. No. 1.7e-34;
7; Mismatches 116;
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14578A08 CRC32;
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GPRD_RAT
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C., CHANG G	OCYTES; MATSUSHIMA MAS encoding tide recept (1993).	EUKOCYTE; , O'REILLY T. , O'REILLY T. len-transmembr leukocytes."; 237(1994).	EEN; D., CL., cDNA an ctransme	CO O H	NG; INE J., incterization Novine Nic(1993).	PAN TRO ATA; VEI	PRITED) I SEQUE: I ANNOTI I TYPE 4 ITOR 1 RI N RECEPT	1 CKR5 1 CKR5 A	2
NG G., I	K.;	T., nbran	EN; D., CLARK-LEW; cDNA and chrotransmembrane .";	., YEE F., EDT C.R.; Y (NPY) re r NPY bindi	U 🖽	TROGLODYTES VERTEBRATA; E; HOMO.	T; 35 NCE UPD ATION U (CXC-R4 ECEPTOR TOR) (L	5_GORGO ALIGNMENTS	1
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SEQUENCE FROM N.A.
SECIES-P.TROGLODYTES;
SPECIES: 98090115.
MEDLINE: 98090115.
PRETET J.-L., ZERBIB A., GIRARD M., GUILLET J.-G., BUTC "Chimpanzee CXCR4 and CCR5 act as coreceptors for HIV + AIDS RES. HUM. RETROVIRUSES 13:1583-1587(1997).
                                                                              GCRDB;
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OBERLIN E., AMARA A., BACHELERIE F., BESSIA C., VIRELIZIER J.-L., ARENZANA-SEISDEDOS F., SCHWARTZ O., HEARD J.-M., CLARK-LEWIS I., LEGLER D.F., LOETSCHER M., BAGGIOLINI M., MOSER B.;

The CXC chemokine SDF-1 is the ligand for LESTR/fusin and prevents infection by T-cell-line-adapted HIV-1.";
  PROSITE;
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LEGLER D.F., LOETSCHER M.
NATURE 384:288-288(1996).
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L; M99293; G292517; -.
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L; D10924; -; NOT_ANNOTATED_CDS.
L; AF0505558; G2735719; -.
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                                    GCR_0438;
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GCR_0475;
GCR_0903;
GCR_0903;
GCR_2433;
GCR_2433;
GCR_2568;
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15-JUL-1998 (REL.
15-JUL-1998 (REL.
C-X-C CHEMOKINE REV
               BENTON P.A., TIMANUS D.K., SHEARER M.H., LEE D.R., KENNE SUBMITTED (NOV-1997) TO EMBL/GENBANK/DDBJ DATA BANKS.
-!- FUNCTION: RECEPTOR FOR THE C-X-C CHEMCKINE SDF-1. THE SIGNAL BY INCREASING THE INTRACELLULAR CALCIUM IONS
-!- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
-!- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED
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SEQUENCE
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EURARYOTA, METAZOA; CHORDATA; VERTEBRATA; MAMMALIA; EUTHERIA;
PRIMATES; CATARRHINI; CERCOPITHECIDAE; CERCOPITHECINAE; PAPIO
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15-JUL-1998 (REL. 36, CREATED)
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Pred. No. 1.8e-117;
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Matches 348
                             CCR4_MACFA STANDARD; PRT; 352 AA. 028474; 15-JUL-1998 (REL. 36, CREATED) 15-JUL-1998 (REL. 36, LAST SEQUENCE UPDATE) 15-DEC-1998 (REL. 37, LAST ANNOTATION UPDATE) 15-DEC-1998 (REL. 37, LAST ANNOTATION UPDATE) C-X-C CHEMOKINE RECEPTOR TYPE 4 (CXC-R4) (CXCI (STROMAL CELL-DERIVED FACTOR 1 RECEPTOR) (FUS:
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  MACACA FASCICULARIS
EUKARYOTA; METAZOA;
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B; GCR_2512; -
ITE; PS00237;
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64
100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           186
39751
 (CRAB EATING MACAQUE)
CHORDATA; VERTEBRATA;
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EXTRACELLULAR (POTENTIAL).

3 (POTENTIAL).

4 (POTENTIAL).

4 (POTENTIAL).

EXTRACELLULAR (POTENTIAL).

5 (POTENTIAL).

5 (POTENTIAL).

CYTOPLASMIC (POTENTIAL).

6 (POTENTIAL).

EXTRACELLULAR (POTENTIAL).

7 (POTENTIAL).
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CYTOPLASMIC (I
POTENTIAL.
BY SIMILARITY.
                                                                                                                                                                                                                                                                                                                                                                                                              Score 1813;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                      SIMILARITY.
273DB8EE CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                              (CXCR-4)
(FUSIN)
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                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (POTENTIAL).
(CYNOMOLGUS MONKEY)
MAMMALIA; EUTHERIA;
                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                              (SDF-1 RECEPTOR)
                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                         352;
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Best Local S
Matches 346
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DISULFID
SEQUENCE
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TRANSMEM
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DOMAIN
TRANSMEM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIMATES; [1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GCRDB; GCR_1143; -.
PROSITE; PS00237; G_PROTEIN_RECEPTOR;
PFAM; PF00001; 7tm_1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
TATSUMI M., TAKAHASH
SUBMITTED (JUL-1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SUBMITTED (JUL-1996) TO EMBL/GENBANK/DDBJ DATA BANG-1: FUNCTION: RECEPTOR FOR THE C-X-C CHEMCKINE SDF-SIGNAL BY INCREASING THE INTRACELLULAR CALCIUM-1: SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                             DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                          DOMAIN
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301
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                                                                                                                                                                                                                                                        MEGISIYTSDNYTEEMGSGDYDSMKEPCFREENANFNKIFIFIIYSIIFLTGIVGNGLVI
           LYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS
                                                                                                                                                                                                       LVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNL 120
                                              TVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALGFFHCCLNPI
                                                         TVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPI
                                                                                             DDRYICDRFYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKT
                                                                                                         DDRYICDRFYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKT
                                                                                                                                            YSSYLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFASVSEA
                                                                                                                                                          YSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYYGVWIPALLLTIPDFIFANVSEA
                                                                                                                                                                                           LVMGYQKKLRSMTDKYRLHLSVADLLYVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNL
                                                                                                                                                                                                                                           MEGISIYTSDNYTEEMGSGDYDSIKEPCFREENAHFNRIFLPTIYSIIFLTGIVGNGLVI
                                                                                                                                                                                                                                                                                                      Similarity
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285
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39753 MW;
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98.3%;
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1 (POTENTIAL).

2 (POTENTIAL).

2 (POTENTIAL).

2 (POTENTIAL).

3 (POTENTIAL).

CYTOPLASMIC (POTENTIAL).

4 (POTENTIAL).

EXTRACELLULAR (POTENTIAL).

5 (POTENTIAL).

5 (POTENTIAL).

5 (POTENTIAL).

5 (POTENTIAL).

5 (POTENTIAL).

6 (POTENTIAL).

6 (POTENTIAL).

7 (POTENTIAL).
                                                                                                                                                                                                                                                                                          Score 1805; D
Pred. No. 7.6e
5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                 CYTOPLASMIC POTENTIAL. BY SIMILARIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TRANSMEMBRANE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RANSMEMBRANE; GLYCOPROTEIN EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                    SIMILARITY.
7EDA93BA CRC32;
                                                                                                                                                                                                                                                                                                      DB 1;
7.6e-116;
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SEQUENCE FROM N.A.
STRAIN-INDIAN MACAQUE;
MEDLINE; 97213934.
                                                                                                                                                                                                                                                                                                                                                                                                        Subspecies or clinical evolution.";
AIDS RES. HUM. RETROVIRUSES 14:639-641(1998).
-!- FUNCTION: RECEPTOR FOR THE C-X-C CHEMOKINE SDF-1. TRANSDUCES A SIGNAL BY INCREASING THE INTRACELLULAR CALCIUM IONS LEVEL.
-!- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
-!- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EDINGER A.L., AMEDEE A., MILLER K., DORANZ B.J., ENDRES M., SHARRON M., SAMSON M., LU Z.-H., CLEMENTS J.E., MURPHEY-CORB M., PEIPER S.C., PARMENTIER M., BRODE C.C., DOMS R.W.;
"Differential utilization of CCR5 by macrophage and T cell tropic simian immunodeficiency virus strains.";
PROC. NATL. ACAD. SCI. U.S.A. 94:4005-4010(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           P79394; 002745; 046428;
15-JUL-1998 (REL. 36, CREATED)
15-JUL-1998 (REL. 36, LAST SEQUENCE UPDATE)
15-DEC-1998 (REL. 37, LAST ANNOTATION UPDATE)
C-X-C CHEMOKINE RECEPTOR TYPE 4 (CXC-R4) (CXCR-4) (SDF-1 RECEPTOR)
(STROMAL CELL-DERIVED FACTOR 1 RECEPTOR) (FUSIN) (LESTR).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MACMU
CCR4_MACMU
             TRANSMEM
DOMAIN
TRANSMEM
                                                                                                                                                                                                                                                                    EMBL;
                                                                                                                                                                                                                                                                                                                              This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MACACA MULATTA (RHESUS MACAQUE).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; MAMMALIA; EUTI
PRIMATES; CATARRHINI; CERCOPITHECIDAE; CERCOPITHECINAE;
                                                                                                                                                                                            G-PROTEIN
                                                                                                                                                                                                                                                                                                         entities requires a license agreement (S or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CHEN Z., ZHOU P., HO D.D., LANDAU "Genetically divergent strains of CCR5 as a coreceptor for entry.";
J. VIROL. 71:2705-2714(1997).
                                                                           DOMAIN
                                                                                                                             DOMAIN
                                                                                                                                           TRANSMEM
                                                                                                                                                        DOMAIN
                                                                                                                                                                                DOMAIN
                                                                                                                                                                                                      GCRDB; GCR_1640; -.
PROSITE; PS00237; G_PROTEIN_RECEPTOR;
PFAM; PF00001; 7tm_1; 1.
                                                                                                                                                                                                                                             GCRDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRETET J.-L., GUILLET J.-G., BUTOR C.;
"New widespread CXCR4 allele in rhesus macaques
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=CHINESE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE
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                                                                                                     DOMAIN
                                                                                                                  TRANSMEM
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  DOMAIN
                                                  DOMAIN
                                                                TRANSMEM
                                                                                         TRANSMEM
                                                                                                                                                                     TRANSMEM
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U93311; G1934671; -.
AF001928; G2911294;
; GCR_1297; -.
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                                                                                                                                                                                             COUPLED
  STANDARD;
                                                                                                                                                                                            RECEPTOR;
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EXTRACELLULAR (
5 (POTENTIAL).
CYTOPLASMIC (PO
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EXTRACELLULAR (
7 (POTENTIAL).
CYTOPLASMIC (PO
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3 (POTENTIAL).
CYTOPLASMIC (PO
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2 (POTENTIAL
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  (POTENTIAL)
                                                  (POTENTIAL).
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Best Local
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062747;
15-DEC-1998 (
15-DEC-1998 (
15-DEC-1998 (
                                                                                                                                      SEQUENCE FROM N.A.

MEDILINE; 98321155.

CHEN Z., GETTIE A., HO D.D., MARX P.A.;

CHEN Z., GETTIE A., HO D.D., MARX P.A.;

"Primary SIVSm isolates use the CCR5 coreceptor from sooty mangabey

"primary SIVSm, HIV-2, and SIVmac.";

VIROLOGY 246:113-124(1998).

-1- FUNCTION: RECEPTOR FOR THE C-X-C CHEMOKINE SDF-1. TRANSDUCES A

SIGNAL BY INCREASING THE INTEGRAL MEMBRANE PROTEIN.

-1- SUBCELULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.

-1- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CARBOHYD
DISULFID
CONFLICT
CONFLICT
CONFLICT
SEQUENCE
                                   use by non-profit institutions as long modified and this statement is not removed: entitles requires a license agreement (See or send an email to license@isb-sib.ch).
                                                                                    This SWISS-PROT entry is copyright. It is produced through between the Swiss Institute of Bioinformatics and the El the European Bioinformatics Institute. There are no resti
                                                                                                                                                                                                                                                                                                                                                   C-X-C CHEMOKINE RECEPTOR TYPE 4 (CXC-R4) (CXCR-4) (SDF-1 RECEPTOR) (STROMAL CELL-DERIVED FACTOR 1 RECEPTOR) (FUSIN) (LESTR).
                                                                                                                                                                                                                                                                                                 PRIMATES;
                                                                                                                                                                                                                                                                                                              EUKARYOTA;
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                                                                                                                                                                                                                                                                                                 CATARRHINI;
                                                                                                                                                                                                                                                                                                             TORQUATUS ATYS (RED-CROWNED MANGABEY) (SOOTY MANGABEY). METAZOA; CHORDATA; VERTEBRATA; MAMMALIA; EUTHERIA;
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(REL. 37, LAST SEQ
(REL. 37, LAST ANN
                                                                                                                                                                                                                                                                                                                                                                                                                                STANDARD;
            G3135304;
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37, LAST ANNOTATION UPDATE)
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348
39739 MW;
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                                                (See http://www.isb-sib.ch/announce/
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CCR4_FELCA STANDARD;
CCR4_FELCA STANDARD;
P56498; P79172; O02700;
P5-JUL-1998 (REL 36, CREATED)
P5-JUL-1998 (REL 36, LAST SEQUENCE UPDATE)
P5-JUL-1998 (REL 36, LAST ANNOTATION UPDATE)
P5-JUL-1998 (REL 36, LAST ANNOTATION UPDATE)
P5-C-X-C CHEMOKINE RECEPTOR TYPE 4 (CXC-R4) (CXCR-4)
P5-T-C-X-C CHEMOKINE RECEPTOR 1 RECEPTOR) (FUSIN)
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"Shared
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                 "Shared usage of the chemokine immunodeficiency viruses.";
J. VIROL. 71:6407-6415(1997).
                                              WILLETT B.J.,
CLAPHAM P.R.;
                                                                 MEDLINE;
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BY SIMILARITY.
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Pred. No. 4.2e
7; Mismatches
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GCRDB; GCR_1114;
PROSITE; PS00237;
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SUBMITTED (MAR-1997) TO EMBL/GENBANK/DDBJ DATA BANKS.
SUBMITTED (MAR-1997) TO EMBL/GENBANK/DDBJ DATA BANKS.
-I- FUNCTION: RECEPTOR FOR THE C-X-C CHEMOKINE SDF-1. TRA
SIGNAL BY INCREASING THE INTRACELLULAR CALCIUM IONS L
-I- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
-I- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED
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EMBL; U92795;
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                               TTVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNP
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Pred. No. 1.8e-111;
l; Mismatches 7;
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CYTOPLASMIC (
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01-MAY-1992 (REL. 22, LAST SEQUENCE UPDATE)
11-MAY-1992 (REL. 36, LAST ANNOTATION UPDATE)
15-JUL-1998 (REL. 36, LAST ANNOTATION UPDATE)
C-X-C CHEMOKINE RECEPTOR TYPE 4 (CXC-R4) (CXCR-4) (SD
(STROMAL CELL-DERIVED FACTOR 1 RECEPTOR) (FUSIN) (LEU
(STROMAL TRANSMEMBRANE DOMAIN RECEPTOR) (LESTR) (LCR1).
CARBOHYD
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SEQUENCE
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GCRDB;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "A proposed bovine neuropeptide Y (NPY) receptor human homologue, confers neither NPY binding site responsiveness on transfected cells."; REGUL. PEPT. 47:247-258(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SHOWS THAT IT IS NOT A N MEDLINE; 94052833.
JAZIN E.E., YOO H., BLOM SALON J., LARHAMMAR D.,
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P25930;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EUKARYOTA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FUNCTION: RECEPTOR FOR THE C-X-C CHEMOKINE SDF-1. TRANSDUCES A SIGNAL BY INCRASSING THE INTRACELLULAR CALCIUM IONS LEVEL. SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
TISSUE SPECIFICITY: BRAIN, HEART, KIDNEY, LUNG AND LIVER.
SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS CAUTION: WAS ORIGINALLY (REF.1) THOUGHT TO BE A RECEPTOR NEUROPEPTIDE Y, TYPE 3 (NPY3-R).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TAURUS
                                                                                                                                                                                                                                                                                                                                                                                                                                             S28787;
                                                                                                                                                                                                                                                                                                                                                                                  ; GCR_0180; -.
TE; PS00237; G_PROTEIN_RECEPTOR;
PF00001; 7tm_1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              THAT IT IS NOT A NPY3-R. NE; 94052833.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                м86739; -;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             requires
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METAZOA; CHORDATA;
                                                                                                                                                                                                                                                                                                                                                                                                                                               S28787.
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                                                                                                                                                                                                                                                                                                                                                                              7tm_1;
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                                                                                                                                                                                                                                                                                                                                                             TRANSMEMBRANE;
                7 (POTENTIAL)
CYTOPLASMIC (I
POTENTIAL.
BY SIMILARITY
                                                                                                                                                                                                3 (POTENTIAL).
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4 (POTENTIAL).
                                                                               EXTRACELLULAR (POTENTIAL)
7 (POTENTIAL)
                                                                                                                                                                                                                                                                                  CYTOPLASMIC
2 (POTENTIAT
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                                                                                                                                                           EXTRACELLULAR (POTENTIAL) 5 (POTENTIAL).
                                                                                                                                                                                                                                          EXTRACELLULAR (POTENTIAL).
3 (POTENTIAL).
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                                                        (POTENTIAL)
                                                                                                                                      (POTENTIAL).
                                                                                                                                                                                                                                                                                                   (POTENTIAL).
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Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   P70658; P70346; 009062; 009059; P70233;
01-NOV-1997 (REL. 35, CREATED)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
15-JUL-1998 (REL. 36, LAST ANNOTATION UPDATE)
C-X-C CHEMOKINE RECEPTOR TYPE 4 (CXC-R4) (CXCR-4)
(STROMAL CELL-DERIVED FACTOR 1 RECEPTOR) (FUSIN)
SEVEN TRANSMEMBRANE DOMAIN RECEPTOR) (LESTR).
growth-stimulating
murine homolog of t
fusin.";
                   TISSUE-BONE MARROW;

MEDLINE; 97121456.

NAGASAWA T., NAKAJIMA T., TACHIBANA K., IIZASA H., BLEUL C.C.,

NAGASAWA T., NAKAJIMA K., YOSHIDA N., SPRINGER T.A., KISHIMOTO T.;

"MOLECULAR Cloning and Characterization of a murine pre-B-cell

"molecular clonin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN-C57BL/6 X CBA; MOEPPS B., FRODL R., I SUBMITTED (NOV-1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A. STRAIN=C57BL/6J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=129/SV;
HEESEN M., BER
                                                                                                                                                                                                                                                        SEQUENCE FROM N.A
                                                                                                                                                                                                                                                                                                                                             co-factor
                                                                                                                                                                                                                                                                                                                                                                             "Cloning of
                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE; 97113334.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MUS MUSCULUS (MOUSE)
EUKARYOTA; METAZOA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CXCR4 OR LESTR OR CMKAR4 OR SDF1R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , BERMAN M. P
(SEP-1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SCIUROGNATHI;
                                                                                                                                                                                                                                                                                                                                                                             BERMAN M.A.
f the mouse
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STANDARD;
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92.4%;
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KESSLER H., GIERSCHIK P.;
TO EMBL/GENBANK/DDBJ DATA
                                                                                                                                                                                                                                                                                                                                                                          fusin
                                                                                                                                                                                                                                                                                                                                                                                                           BENSON
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EMBL/GENBANK/DDBJ
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Pred. No. 3.4
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                                                                                                                                                                                                                                                                                                                                                                          J.D., GERARD
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PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1.

PFAM; PF00001; 7tm_1; 1.
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EMBL;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SCHUBEL A., BURGSTAHLER R., LIPP M.;
SUBMITTED (SEP-1996) TO EMBL/GENBANK/DDBJ DATA BANKS.
-!- FUNCTION: RECEPTOR FOR THE C.Y-C CHEMOKINE SDF-1. TRANSDUCES A
SIGNAL BY INCREASING THE INTRACELLULAR CALCIUM IONS LEVEL.
-!- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
-!- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
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SUZUKI G., NAKATA Y., UZAWA A., SHIRASAWA T., SAITO T.,
SUBMITTED (FEB-1997) TO EMBL/GENBANK/DDBJ DATA BANKS.
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Z80112;
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X99582;
U59760;
U65580;
D87747;
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GCR_1387;
GCR_1646;
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COUPLED RECEPTOR;
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CYTOPLASMIC (POTENTIAL).

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EXTRACELLULAR (POTENTIAL).

3 (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
7 (POTENTIAL).
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1037B4D3 CRC32;
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01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
15-JUL-1998 (REL. 36, LAST ANNOTATION UPDATE)
C-X-C CHEMOKINE RECEPTOR TYPE 4 (CXC-R4) (CXCR-4) (SDF-1 RECEPTOR)
(STROMAL CELL-DERIVED FACTOR 1 RECEPTOR)
 CARBOHYL
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PROSITE; PS00237;
PFAM; PF00001; 7tr
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HARRISON J.K., SALAFRANCA M.N.;
SUBMITTED (MAR-1997) TO EMBL/GENBANK/DDBJ DATA BANKS.
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7 (POTENTIAL).
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RESULT 10
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AC Q28553
AC Q28553
DT 15-JUL
DR CXCR4
OS OVIS A
OC ATION
RD TEQUEN
RA DYER C
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Best Local Similarity
Matches 317; Conser
                                                                                                                                                                                                                                                                                                                                                                                                        OVER C.J., MATTERI R.L., KEISLER D.H.;
"Development of an ovine Y3 cDNA and expression of the Y3 receptor mRNA in the ovine hypothalamus and pituitary.";
ABSTR. - SOC. NEUROSCI. 21:1890-1890(1995).
-!- FUNCTION: RECEPTOR FOR THE C-X-C CHEMOKINE SDF-1. TRANSDUCES A SIGNAL BY INCRESSING THE INTRACELLULAR CALCIUM IONS LEVEL.
-!- SUBCELULLAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OVIS ARIES (SHEEP).
EUKARYOTA; METAZOA; CHORDATA; VERT
                                                                                                                                                                                                                  the European Bioinformatics Institute. The use by non-profit institutions as long modified and this statement is not removed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Q28553;

15-JUL-1998 (REL. 36, CREATED)

15-JUL-1998 (REL. 36, LAST SEQUENCE UPDATE)

15-JUL-1998 (REL. 36, LAST ANNOTATION UPDATE)

15-JUL-1998 (REL. 36, LAST ANNOTATION UPDATE)

C-X-C CHEMOKINE RECEPTOR TYPE 4 (CXC-R4) (CXCR-4) (SDF-1 RECEPTOR)

(STROWAL CELL-DERIVED FACTOR 1 RECEPTOR) (FUSIN) (LEUKOCYTE-DERIVED
  GCRDB; GCR_1581; G_PROTEIN_RECEPTOR; PROSITE: PSO10337; G_PROTEIN_RECEPTOR; G-PROTEIN_COUPLED_RECEPTOR; TRANSMEMB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE
                                                                                                               EMBL; U38942;
                                                                                                                                                                  or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                             between
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                                                                                                                                                                                           entities requires a license agreement (See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TISSUE=HYPOTHALAMUS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEVEN TRANSMEMBRANE DOMAIN RECEPTOR) (LESTR) (FRAGMENT).
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     TRANSMEMBRANE; GLYCOPROTEIN
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Matches 175
        MEDLINE: 97313486.

IMAI T. BABA M., ISHIMURA M., KAKIZAKI M., TAKAGI S., YO
IMAI T. BABA M., ISHIMURA M., KAKIZAKI M., TAKAGI S., YO
The T cell-directed CC chemokine TARC is a highly specific
phological ligand for CC chemokine receptor 4.";

J. BIOL. CHEM. 272:15036-15042(1997).

-i- FUNCTION: RECEPTOR FOR A C-C TYPE CHEMOKINE. BINDS TO SUBSEQUENTLY TRANSDUCES A SIGNAL BY INCREASING THE INTOCALCIUM IONS LEVEL.

-i- SUBCELIULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.

-i- TISSUE SPECIFICITY: EXPRESSED STRONGLY IN PERIPHERAL E BUT NOT IN B CELLS, NATURAL KILLER CELLS, MONOCYTES, CRANULOCYTES.

GRANULOCYTES.
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01-OCT-1996
15-DEC-1998
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P51679;
                                                                                                                                                   POWER C.A., MEYER A., NEMETH K., BACON K.B., HOO PROUDFOOT A.E.I., WELLS T.N.C.;
"Molecular cloning and functional expression of receptor cDNA from a human basophilic cell line.
J. BIOL. CHEM. 270:19495-19500(1995).
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95370289.
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34, LAST SEQUENCE UPDATE)
37, LAST ANNOTATION UPDATE)
EPTOR TYPE 4 (C-C CKR-4) (CC-CKR-4) (CCR-4) (CCR4)
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Pred. No. 4.3e
13; Mismatches
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BY SIMILARITY.
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AE; HOMO.
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BELONGS

TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS

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P35407;
O1-JUN-1994
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15-JUL-1998
RATTUS NORVEGICUS (RAT)
EUKARYOTA: METAZOA; CHOI
RODENTIA; SCIUROGNATHI;
                                                                                                                                                                                                                                                                                                                                                                                                                           CARBOHYD
CARBOHYD
DISULFID
SEQUENCE
                                RECEPTOR).
ILBRB OR CXCR2
                                                     HIGH AFFINITY
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DOMAIN
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G-PROTEIN COUPLED RECEPTOR; TRANSMEMBI
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                                              29, CREATED)
33, LAST SEQUENCE UPDATE)
36, LAST ANNOTATION UPDATE)
36, LAST ANNOTATION B (IL-8R
                     (RAT)
            CHORDATA;
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 NDATA; VERTEBRATA;
MURIDAE; MURINAE;
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Pred. No. 3.1e
0; Mismatches
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BY SIMILARITY.
8738E75E CRC32;
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[1]
SEQUENCE FROM N.A.
SEQUENCE FROM N.A.
STRAIN-SPRAGUE-DAWLEY; T
GOEL A.E., WANG S., ZHOU
SUBMITTED (FEB-1994) TO
CARBOHYD
DISULFID
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Identification of two rat genes orthologous to the human interleukin-8 receptors.";
J. BIOL. CHEM. 271:32770-32776(1995).
-I. FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND MESSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY AND TO GRO/MGSA AND NAP-2 ALSO WITH A HIGH AFFINITY.
-I. SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN COUPLED RECEPTORS.
                                             DOMAIN
CARBOHYD
CARBOHYD
                                                                               TRANSMEM
DOMAIN
TRANSMEM
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TRANSMEM
DOMAIN
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[2]
SEQUENCE F
                                                                                                                                                                                                           TRANSMEM
DOMAIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KONISHI
FUJIOKA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   [2]
SEQUENCE FROM N.A.
STRAIN-WISTAR; TISSUE-LIVER;
STRAIN-WISTAR; TISSUE-LIVER;
                                                                                                                                                   TRANSMEM
                                                                                                                                                                                                                                             CHEMOTAXIS
                                                                                                                                                                                                                                                           G-PROTEIN
                                                                                                                                                                                                                                                                                           GCRDB; GCR_0913;
GCRDB; GCR_1405;
GCRDB; GCR_1524;
                                                                                                                                                                                                                                                                                                                             EMBL; X77797; G498703; -. EMBL; D63584; G944819; -. EMBL; U70988; G1617613; -PIR; S42096; S42096.
                                  CARBOHYD
                                                                                                                   DOMAIN
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:; TISSUE-SPLEEN,
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                                                                                                                                                                                                                                                           RECEPTOR;
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 MW;
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2 (POTENTIAL).
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CYTOPLASMIC (
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BY SIMILARITY
                                                                                EXTRACELLULAR (POTENTIAL)
7 (POTENTIAL).
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6 (POTENTIA)
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Query Match Best Local Similarity

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Length 359;

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CLARK-LEWIS I., BAGGIOLINI M., MOSER B.;
"Chemokine receptor specific for IP10 and mig: structure,
and expression in activated T-lymphocytes.";
J. EXP. MED. 184:963-969(1996).
                                                                                                                                                                                        CHENG R., MURPHY P.M., NGUYEN T., O'DOWD B.F., DOCHERTY J.M.;
"Cloning and home---
                                                                                                                                                                                                                                                                                                                                                                                                                                          C-X-C
use by non-profit institutions as long modified and this statement is not removed. entitles requires a license agreement (See or send an email to license@isb-sib.ch).
                                                             This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation -
                                                                                                                                                          and GPR14, encoding receptors re
Y, and somatostatin receptors.";
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                                                       the
                                                                                                                                                                                                                         MARCHESE A., HEIBER M.,
                                                                                                                                                                                                                                        SEQUENCE OF 5-368 FROM N.A. MEDLINE; 96115583.
                                                                                                                                                                                                                                                                                                                                                                                                              HOMO SAPIENS (HUMAN).
EUKARYOTA; METAZOA; CHORDATA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    P49682;

01-FEB-1996 (REL. 33, CREATED)

01-NOV-1997 (REL. 35, LAST SEC

15-JUL-1998 (REL. 36, LAST ANN

C-X-C CHEMOKINE RECEPTOR TYPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HUMAN
                                                                                                    -!- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
                                                                                                                                                GENOMICS 29:335-344(1995)
                                                                                                                                                                       "Cloning and chromosomal mapping of three novel genes, (and GPR14, encoding receptors related to interleukin 8,
                                                                                                                                                                                                                                                                                                                                                  MEDLINE;
                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A.
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                                                    ween the Swiss Institute of Bioinformatics Institute.
                                                                                                                                  FUNCTION: RECEPTOR FOR IP10 AND MIG.
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35, LAST SEQUENCE UPDATE)
36, LAST ANNOTATION UPDATE)
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                                                                                                                                                                                                                                                                                                                                                                                                  VERTEBRATA; MAMMALIA; AE; HOMO.
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                                                                                                                                                                                                            HENG H.H.Q., SALDIVIA V.R
SHI X., GREGOR P., GEORGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       368
             (See http://www.isb-sib.ch/announce,
                                                                                                       G-PROTEIN COUPLED RECEPTORS
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PRIMATES;

CATARRHINI;

HOMINIDAE;

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EUTHERIA;

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ROCOGREDITA
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Best Local
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                                                                           P25025;

01-MAY-1992 (REL. 22, CREATED)

01-FEB-1996 (REL. 33, LAST SEQUENCE UP

15-UUL-1998 (REL. 36, LAST ANNOTATION

HIGH AFFINITY INTERLEUKIN-8 RECEPTOR F
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EMBL; U32674; G10027
GCRDB; GCR_1341; -.
GCRDB; GCR_1972; -.
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SEQUENCE
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P25025;
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DOMAIN
                            RECEPTOR) (IL-8 RECEPTOR TYPE 2).
IL8RB OR CXCR2.
HOMO SAPIENS (HUMAN).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; MAMMALIA;
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G1002741;
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EXTRACELLULAR (POTENTIAL)

7 (POTENTIAL)
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Pred. No. 1.
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BY SIMILARITY.
POTENTIAL.
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                                                                                                      (GRO/MGSA
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GCRDB; GCR_0077; -. GCRDB; GCR_1001; -. GCRDB; GCR_1339; -. GCRDB; GCR_1339; -. GCRDB; GCR_1831; -.
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MEDLINE; 91368200.
MURPHY P.M., TIFFANY H.L.;
"Cloning of complementary DNA en interleukin-8 receptor.";
SCIENCE 253:1280-1283(1991).
[2]
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                                                                  PROSITE; PS00237; G_PROTEIN_RECEPTOR;
PFAM; PF00001; 7tm_1; 1.
HSSP; P34996; 1DDD.
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PIR; A53611; A53611
                                                                                                                                                                                                                                                                                                                                                                                                                                                               modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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CERRETTI D.P., KOZLOSKY C.J., VANDEN BOS BECKMANN M.P.;
                                            G-PROTEIN COUPLED RECEPTOR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     J. BIOL.
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MEDLINE; 94209273
SPRENGER H., LLOYI
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pecentors ":
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MEDLINE; 95014476
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Molecular characterization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FUNCTION: RECEPTOR TO INTERLEUKÍN-8, WHICH IS A POWERFUL NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND MESSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY BENDER DISCOUNTIES AND NAD-2 ALSO WITH A HIGH AFFINITY. SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
SUMCLLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN COUPLED RECEPTORS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ween the Swiss Institute of Bioinforma
European Bioinformatics Institute. The
by non-profit institutions as long
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K M94582; G186378; -...

M99412; G576679; -...

L19593; G559054; -...

U11869; G511803; -...
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48
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                                       TRANSMEMBRANE;
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Matches
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Q28519;
Q1-NOV-1997
Q1-NOV-1997
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01-NOV-1997 (REL. 35, LAST SEQUENCE UF
01-NOV-1997 (REL. 35, LAST ANNOTATION
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B
ILBRB OR CXCR2.
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DISULFID
SEQUENCE
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TRANSMEM
"Characterization of interleukin-8 reception 100 (1996).

IMMUNOGENETICS 43:261-267(1996).

-i- FUNCTION: RECEPTOR TO INTERLEUKIN-8.

NEUTROPHILS CHEMOTACTIC FACTOR. BIND
                                                                                                      MACACA MULATTA (RHESUS MACAQUE)
EUKARYOTA; METAZOA; CHORDATA; V
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DOMAIN
                                                    MEDLINE; 96
ALVAREZ V.,
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                                          LOPEZ-LARREA C.;
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EXTRACELLULAR
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POWERFUL TO THE RECEPTOR
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SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
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                                                                                                                                                                                                                                               SVSRGSSLKILSKGKRGGHSSVSTES-----
                                                                                     ISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQHALT
                                                                                                                      LRILPQSFGFIVPLLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPYSLV
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                                                        LLADTLMRTQVIQETCERRNHIDRALDATEILGILHSCLNPLIYAFIGQKFR----
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Query Match
Best Local Similarity
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100.0%; Score 1830; DB 2; ilarity 100.0%; Pred. No. 4.6e-143; Conservative 0; Mismatches 0;

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A; MOLECULE TUPE: MRNA A; Residues: 1-352 (FEED) A; Cross-references: GEISM9293; NID:9292516; PID:9292517 R; Loetscher, M.; Gelser, T.; O'Reilly, T.; Zwahlen, R.; Baggiolini, M.; Moser, B. J. Biol. Chem. 269, 282-237, 1994 A; Title: Cloning of a human seven transmembrane domain receptor, LESTR, that is highl A; Reference number: A53103; MUID:94103215 A; Accession: A53103; MUID:94103215 A; Molecule type: mRNA A; Residues: 1.352 (LOED) A; Cross-references: EMBL:X71635; NID:9297099; PID:9297100 A; Herzog, H.; Hort, Y.J.; Shine, J.; Sebbie, L.A. D; A Cell Biol. 12, 465-471, 1993 A; Title: Molecular cloning, characterization, and localization of the human homolog to A; Reference number: 153006 A; Status: preliminary; translated from GB/EMBL/DDBJ A; Molecule type: mRNA A; Residues: 1-352 (HEED) A; Accession: 15300; MUID:93319629 A; Cross-references: GB:L06797; NID:9414928; PID:9414928 R; Accession: EE; Yoo, H.; Blomgvist, A.G.; Yee, F.; Weng, G.; Walker, M.W.; Salon, J.; Regul: Pept. 47, 247-258, 1993 A; Arccession: 159444 A; Status: preliminary; translated from GB/EMBL/DDBJ A; Molecule type: mRNA A; Residues: 1-352 (REED) A; Molecule type: mRNA A; Res	41 480.5 26.3 359 2 JC21134 41 480.5 26.3 359 2 JC21134 42 474.5 25.9 359 2 I39418 43 473.5 25.9 362 2 A30341 44 473.5 25.8 359 2 JC1193 angiotensin II rec 45 472.5 25.8 359 2 JC1193 angiotensin II rec 46 473.5 25.8 359 2 JC1194 ALIGNMENTS RESULT 1 A45747 neuropeptide Y/peptide YY receptor Y3 - human N;Alternate names: fusin; HM89; leukocyte-derived seven-transmembrane receptor LESTR; C;Species: Homo sapiens (man) C;Species: 03-May-1994 #sequence_revision 03-May-1994 #text_change 17-Mar-1999 C;Accession: A45747; A53103; IS3006; IS9444; IS9203; S32761 R;Federsppiel, B.; Melhado, I.G.; Duncan, A.M.V.; Delaney, A.; Schappert, K.; Clark-L Genomics 16, 707-712, 1993 A;Title: Molecular cloning of the CDNA and chromosomal localization of the gene for a A;Accession: A45747; MUID:93315164 A;Accession: A45747 A;Accession: A45747; MUID:93315164	
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R; Tatsumi, M.
submitted to GenBank, July
A; Reference number: H00048
A; Accession: G00048
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C; Species:

neuropeptide Y/peptide YY receptor Y3 - C; Species: Bos primigenius taurus (catt)

(cattle)

bovine

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A;Cross-references: GDB:677463
A;Armap position: 3p21-3p21
C;Keywords: G protein-coupled receptor; glycoprotein; phosphoprotein; transmembrane F;40-65/Domain: transmembrane #status predicted <TM1>
F;40-65/Domain: transmembrane #status predicted <TM2>
F;112-13/Domain: transmembrane #status predicted <TM3>
F;112-13/Domain: transmembrane #status predicted <TM4>
F;51-175/Domain: transmembrane #status predicted <TM6>
F;208-226/Domain: transmembrane #status predicted <TM6>
F;243-264/Domain: transmembrane #status predicted <TM7>
F;291-308/Domain: transmembrane #status predicted <TM7>
F;29-276,110-187/Disulfide bonds: #status predicted
F;273,350/Binding site: phosphate (Ser) (covalent) (by casein kinase II) #status pred
                                                                                                                                                                                                                                                                                                                                                                                                                                                              R;Power, C.A.; Meyer, A.; Nemeth, K.; Bacc
J. Biol. Chem. 270, 19495-19500, 1958
A;Title: Molecular cloning and functional
A;Reference number: A57160; MUID:95370289
A;Accession: A57160
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A; Reference number: $28787; MUID:92100053
A; Accession: $28787
A; Molecule type: mRNA
A; Residues: 1-353 < KIMS
A; Cross-references: EMBL:M86739
C; Keywords: appetite; G protein-coupled receptor; transmembrane protein
                                                                                                                                                                                                                                                                                                   C; Genetics:
A; Gene: GDB: CMKBR4
                                                                                                                                                                                                                                                                                                                                                                   A; Molecule type: mRNA
A; Residues: 1-360 < POW>
A; Cross-references: GB: X85740;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C:Species: Homo sapiens (man)
C:Date: 10-Nov-1995 #sequence_revision 10-Nov-1995 #text_change 17-Mar-1999
C:Accession: A57160
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                                                                                                                                                                                                                                                                                                                                                  A; Note: source clone
                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Status: preliminary; not compared
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92.48;
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Pred. No. 3.1e-134;
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interferon-inducible protein 10 (IP-10) receptor - mouse (Species: Mus musculus (house mouse) (C; Species: Mus musculus (house mouse) (C; Date: 05-Feb-1999 #sequence_revision 05-Feb-1999 #text_change 05-Feb-1999 (C; Accession: JE0349 #s.; Yatsunami, K.; Narumi, S. R; Tamaru, M.; Tominaga, Y.; Yatsunami, K.; Narumi, S. Biochem. Biophys. Res. Commun. 251, 41-48, 1998 A:Title: Cloning of the murine interferon-inducible protein 10 (IP-10) receptions of the murine interferon-inducible protein 10 A; Reference number: JE0349 A; Accession: JE0349
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A; Residues: 1-367 <TAM>
A: Cross-references: DDBJ:AB003174
C: Comment: This protein is imports
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KTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSF 349
                                                                                                                                  FP-QVGRTALRVLQLVAGFLLPLLVMAYCYAHILAVLLVSRGQRRFRAMRLVVVVVAAFA
                                                                                                                                                                        YPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVILILAFF 249
                                                                                                                                                                                                                                                       RYLAIVHATNSQR--PRKLLAEKVVYVGVWIPALLLTIPDFIF--ANVSEADDRYICDRF
                                                                                                                                                                                                                                                                                                                     DKYRLHLSVADLLEVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVLILAFISLD 133
                                                                                                                                                                                                                                                                                                                                                                           DYGENESDFSDSPPCPQDFSLNFDRTFLPALYSLLFLLGLLGNGAVAAVLLSQRTALSST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEADDRYICDRFYP--NDLWVVV 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SVADLLEVITLPEWAVDAVANWYEGNELCKAVHVIYTVNLYSSVLILAFISLDRYLAIVH 140
                                                          VCWTPYHLVVLVDILMDVGVLARNCGRESHVDVAKSVTSGMGYMHCCLNPLLYAFVGVKF
                                                                                                                                                                                                               RYLSIVHATQIYRRDPRVRVA--LTCIVVWGLCLLFALPDFIYLSANYDQRLNATHCQYN
                                                                                                                                                                                                                                                                                            DTFLLHLAVADVLLVLTLPLWAVDAAVQWVFGPGLCKVAGALFNINFYAGAFLLACISFD
                                                                                                                                                                                                                                                                                                                                                                                                               EMGSGDYD-SMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVILVMGYQKKLRSMT 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LFLETLVELEVL-QDCTFERYLDYAIQATETLAFVHCCLNPIIYFFLGEKFR
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                                                                                             ACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAFLGAKF 309
                                                                                                                                                                                                                                                                                                                                                                                                                                                        al Similarity 35.6
121; Conservative
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35.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 582; DB 2; 1
Pred. No. 1.2e-40;
0; Mismatches 133;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 600.5; DB 2
Pred. No. 3.7e-42;
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interleukin-8 receptor type B - human (Species: Homo sapiens (man) (15 pecies: Homo sapiens (man) (m
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A;Cross-references: GDB:127868; OMIM:146928
A;Map position: 2q35-2q35
C;Keywords: G protein-coupled receptor; transmembrane protein
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R;Murphy, P.M.; Tiffany, H.L.
Science 253, 1280-1283, 191.
A;Title: Cloning of complementary DNA encoding a functional human interleukin-8 recep A;Reference number: A39446; MUID:91368200
A;Accession: A39446
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A; Residues: 6-360 <SPR>
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A;Tittle: Structure, genomic organization, and expression of the human interleukin: R;Reference number: A53611; MUID:94209273

A;Accession: A53611
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A; Residues: 1-360 < RES>
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AHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQVIQETCERRNHIDRALDATE
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Pred. No. 1.7e-39;
9; Mismatches 119;
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Chemokine (C-C) receptor 4 - mouse (C;Species: Mus musculus (house mouse) (C;Species: Mus musculus (house mouse) (C;Date: 08-Mar-1996 #sequence_revision 19-Apr-1996 #text_change 12-Dec-1997 (C;Accession: JC4587 R;Hoogewerf, A.J.; Black, D.; Proudfoot, A.E.I.; Wells, T.N.C.; Power, C.A. Blochem. Biophys. Res. Commun. 218, 337-343, 1996 A;Title: Molecular cloning of murine CC CKR-4 and high affinity binding of A;Reference number: JC4587 A;Accession: JC4587
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C; Species: Rattus norvegicus (Norway ra
C; Date: 06-Jan-1995 #sequence_revision
C; Accession: $42096
R; Gobl, A.E.; Wang, S.; Zhou, Y.; Oeber
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C:Keywords: G protein-coupled receptor; transmembrane protein
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A; Residues: 1-356 <GOB>
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36.3%;
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Pred. No. 2e-39;
B; Mismatches 1
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A:Experimental source: neutrophils
A:Note: sequence extracted from NCBI backbone (NCBIN:81526, NCBIP:81530)
C:Keywords: G protein-coupled receptor; transmembrane protein
                                                                                                                                                                              A; Molecule type: mRNA
A; Residues: 1-355 <LEED
A; Cross-references: GB:M82873; NID:g165440;
                                                                                                                                                                                                                                                                                 A;Cross-references: GB:M74240; NID:g165438; PID:g165439
R;Lee, J.; Kuang, W.J.; Rice, G.C.; Wood, W.I.
J. Immunol. 148, 1261-1264, 1992
A;Title: Characterization of complementary DNA clones encoding A;Reference number: A46483; MUID:92148149
A;Accession: A46483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     R;Beckmann, M.P.; Munger, W.E.; Kozlosky, C.; VandenBos, T.; Price Biochem. Biophys. Res. Commun. 179, 784-789, 1991
A;Title: Molecular characterization of the interleukin-8 receptor A;Reference number: JQ1231; MUID:91378994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   interleukin-8 receptor - rabbit
C;Species: oryctolagus cuniculus (domestic rabbit)
C;Date: 31-Mar-1992 #sequence_revision 31-Mar-1992
C;Accession: JQ1231; A46483
                                                                                                                                                                                                                                                                                                                                                                                                                         A; Molecule type: DNA
A; Residues: 1-355 <BEC>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C:Keywords: glycoprotein; phosphoprotein; receptor; thymus f;2,183,194/Binding site: carbohydrate (Asn) (covalent) #status predicted f;72,202,550/Binding site: phosphate (Ser) (covalent) (by casein kinase II) #status predict f;145/Binding site: phosphate (Ser) (covalent) (by protein kinase C) #status predict f;321/Binding site: phosphate (Thr) (covalent) (by protein kinase C) #status predict
                                                                                                                                                                                                                                                           A; Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Accession: JQ1231
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A; Cross-references: EMBI
A; Experimental source: 1
C; Genetics:
         Matches
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Best Local
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Score 564; DB
Pred. No. 3.6e
71; Mismatches
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Pred. No. 3.3
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                                                                                                                                                                                     PID:g165441
                     DB 2;
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MEGISIYTSDNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVI 60 | ; | ; | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | | ; | | ; | | ; | | ; | | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | | ; | |

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RESULT 10
A55735
G protein-coupled receptor EBI1 - mouse
C.Species: Mus musculus (house mouse)
C:Date: 07-Jul-1995 *sequence_revision 07-Jul-1
C:Accession: A55735
R.Schweickart, V.L.; Raport, C.J.; Godiska, R.;
Genomics 23, 643-650, 1994
A:Title: Cloning of human and mouse EBI1, a lym
A:Reference number: A55735; MUID:95154835
A:Accession: A55735
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-378 <SCH>
A:Cross-references: GB:L31580; NID:9468340; PII
C:Keywords: G protein-coupled receptor
RESULT 11
A39445
interleukin-8 receptor type A - h
N;Alternate names: interleukin-8
C:Species: Homo sapiens (man)
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;Species: Mus musculus (house mouse)
;Date: 07-Jul-1995 #sequence_revision 07-Jul-1995 #text_change 17-Mar-1999
;Accession: A55735
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Best Local
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                                                                                                                                                                                LGAKFKTSAQHALTSVSRGSS--LKILSKGKRGGHSSVSTESESSSFHS 351
                                                                                                                                                                                                                                                                                                                                                                                                                     FISLDRYLAIVHAT -- NSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANV -- SEADDRY 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVLILA 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NPIIYAFIGQNFRNGFLKML--AARGLISKEFLTRHRVTSYTSSSTNVPSN 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LKTTVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCL
                                                                                                                                          IGVKFRSDLFKLFKDLGCLSQERLRHWSSCRHVRNASVSMEAETTTTFS
                                                                                                                                                                                                                        VVVFIVFQLPYNGVVLAQTVANENITNSSCETSKQLNIAYDVTYSLASVRCCVNPFLYAF
                                                                                                                                                                                                                                                            ILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAF
                                                                                                                                                                                                                                                                                                     RCSLVSAQVEALITIQVAQMVFGFLVPMLAMSFCYLIIIRTLLQARNFERNKAIKVIIAV
                                                                                                                                                                                                                                                                                                                                           ICDRFYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVIL
                                                                                                                                                                                                                                                                                                                                                                                   CISIDRYVAIVQAVSRHRHRARVLLISKLSCVGIWMLALFLSIPELLYSGLQKNSGEDTL 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LKTMTDTYLLNLAVADILFLLILPFWAYSEAKSWIFGVYLCKGIFGIYKLSFFSGMLLLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TDDYIGENTTVDYTLYESVCFKKDVRNFKAWFLPLMYSVICFVGLLGNGLVILTYIYFKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SDNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVILVMGYQKK 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NPILYAFLGAKFKTSAQHALTSVSRG-SSLKILSKGKRGGHSSVSTESESS 347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     {\tt MRVIFAVVLIFILCWLPYNLVLLADTLMRTHVIQETCQRRNDIDRALDATEILGFLHSCL}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRYIC--DRFYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        YSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANV-SE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNL
||:|:|:||||||:::|||||:::|||
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NNSSPVCYEDLGHNTAKWRMVLRILPHTFGFILPLLVMLFCYGFTLRTLFQAHMGQKHRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                YSGILLLACISVDRYLAIVHATRTLTQKRHLV-KFICLGIWALSLILSLPFFLFRQVFSP 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LVILYSRSNRSVTDVYLLNLAMADLLFALTMPIWAVSKEKGWIFGTPLCKVVSLVKEVNF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30.8%;
                     receptor,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 563; DB 2; 1
Pred. No. 4.6e-39;
7; Mismatches 147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a lymphoid-specific G-protein-coupled recepto:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PID:g468341
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    M.G.; Eddy Jr., R.L.;
                                                                                                                                          377
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                                                                                                                                                                                                                                                               304
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RESULT
A53752
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A:Title: Structure and functional expression (A:Reference number: A39445; MUID:91368199
A:Accession: A39445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A:Molecule type: DNA
A:Residues: I-350 <-RES>
A:Cross-references: EMBL:X65858; NID:g312046; PI
A:Cross-references: EMBL:X65858; NID:g312046; PI
R:Ahuja, S.K.; Shetty, A.; Tiffany, H.L.; Murphy
J. Biol. Chem. 269, 26381-26389, 1994
A:Title: Comparison of the genomic organization
A:Reference number: I37898; MUID:95014476
A:Accession: I38710
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A;Cross-references: GDB:135039; OMIM:146929
A;Map position: 2q35-2q35
C;Keywords: G protein-coupled receptor; glycoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Molecule type: mRNA
A; Residues: 1-275, 'T', 277-350 <HOL>
A; Cross-references: GB: M68932; NID: 9186369;
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A; Residues: 1-16 <RE3>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Molecule type: DNA
A; Residues: 1-350 <RE2>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
                                                                                                                                                                                                                                                                                                           YPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVILILA 247
                                                                                                                               KF----KTSAQHALTS
                                                                                                                                                                         FLICWLPYNLVLLADTLMRTQVIQESCERRNNIGRALDATEILGFLHSCLNPIIYAFIGQ
                                                                                                                                                                                                                                                              LGNDTAKWRMVLRILPHTEGETVPLEVMLFCYGETLRTLEKAHMGQKHRAMRVIEAVVLI 250
                                                                                                                                                                                                                                                                                                                                                                                                   SLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEADDRY-ICDRF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVLILAFI 130
                                                                                                                                                                                                                    FFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAFLGA
                                                                                                                                                                                                                                                                                                                                                        SVDRYLAIVHATRTLTOKRHLV-KFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVCYEV 190
                                                                                                                                                                                                                                                                                                                                                                                                                                               SVTDVYLLNLALADLLFALTLPIWAASKVNGWIFGTFLCKVVSLLKEVNFYSGILLLACI 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NFT----GMPPADEDYSPCML-ETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGR 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30.6%;
                                                                                                                               319
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 559.5; DB 2;
Pred. No. 8.2e-39;
6; Mismatches 127;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         H.L.; Murphy,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PID:g186370
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phy, P.M.
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.C.; Wood, W.
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interleukin-8 receptor (clone 5Bla) - rabbit
c;Species: oryctolagus cuniculus (domestic rabbit)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995
C;Accession: A53752
R;Prado, G.N.; Thomas, K.M.; Suzuki, H.; LaRosa, G.

.j.;

N.; Folco,

E.

#text_change 10-Sep-1997

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A:Molecule type: mRNA
A:Residues: 1-358 <PRA>
A:Cross-references: GB:L244445; NID:g437661; PID:g437662
C:Keywords: G protein-coupled receptor; transmembrane pu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            J. Biol. Chem. 269, 12391-12394, 1994
A;Title: Molecular characterization of a novel rabbit interleukin-8 receptor isotype.
A;Reference number: A53752; MUID:94230294
A;Accession: A53752
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                                                                                                                                                                                                                                                                                                                                                                                               RESULT 13
B55735
B55735
Lymphocyte-specific G-protein-coupled receptor N; Alternate names: Burkitt's lymphoma receptor C; Species: Homo sapiens (man)
C; Date: 07-Jul-1995 #sequence_revision 07-Jul-1 C; Accession: B55735; S52443
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                                                                                                                                                                                               A;Cross-references: GB:L31581; NID:g468319; PID:g468320
R;Burgstahler, R.; Kempkes, B.; Staeube, K.; Lipp, M.
submitted to the EMBL Data Library, February 1995
                                                                                                                                                                                                                                                       A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-378 <SCH>
                                                                                                                                                                                                                                                                                                                        R;Schweickart, V.L.; Raport, C.J.; Godiska, Genomics 23, 643-650, 1994
A;Title: Cloning of human and mouse EBI1, a A;Reference number: A55735; MUID:95154835
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               δÃ
A;Gene: GDB:CMKBR7; EBI1; BLR2;
A;Cross-references: GDB:342065;
A;Map position: 17q12-17q21.2
                                                                                         A; Molecule type: DNA
A; Residues: 21-378 <
                                                                                                                                            A; Reference number: S52443
A; Accession: S52443
                                                                       A; Cross-references: EMBL: X84702
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local (
                                                                                                                                                                                Description: The expression of the chemokine
                                                                                                                                                                                                                                                                                                         Accession: B55735
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                                                                                                                           Status: preliminary
                                                        Genetics
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GNGLVILVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHV 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              YTSDNYTEEMGSGDYDSM------KEPCFREENANFNKIFLPTIYSIIFLTGIV 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FLHSCLNPIIYAFIGQKFRYGLLKILAAHGLI----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               {\tt RNAIFPPNSSPVCYEDMGNSTAKWRMVLRILPQTFGFILPLLVMLFCYVFTLRTLFQAHM}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AN-VSEADDRYICDRFYPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FTWENYSYEDFFGDFSNYSYSTDLPPTLLDSAPC-RSESLETNSYVVLITYILVFLLSLL 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
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                                                                                           <BUR>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        66;
                    CCR7
OMIM:600242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                      07-Jul-1995 #text_change 17-Mar-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   558;
No. 1.
                                                                                                                                                                                                                                                                                                                                                                                    R.; Byers,
                                                                                                                                                                                                                                                                                                                                                 lymphoid-specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 2;
..1e-38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        --SKEFLAKESR--PSFVASSSGN
                                                                                                                                                                                                                                                                                                                                                                                                                                                      EBI1 - human
2; Epstein-B
                                                                                                                                                                                   receptor BLR2/EBI1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        138;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Epstein-Barr virus induced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 358;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                    M.G.;
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                                                                                                                                                                                                                                                                                                                                                                                    Eddy Jr.,
                                                                                                                                                                                                                                                                                                                                                   G-protein-coupled
                                                                                                                                                                                     żs
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                                                                                                                                                                                   specifically
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                                                                                                                                                                                                                                                                                                                                                                                      R.L.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8;
                                                                                                                                                                                                                                                                                                                                                                                      Shows,
                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                   recepto:
                                                                                                                                                                                       trans
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C; Keywords: G protein-coupled receptor

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R;Raport, C.J.; Schweich
Gene 163, 295-299, 1995
A;Title: The orphan G-pu
A;Reference number: JC4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C;Species: Homo sapiens (man)
C;Date: 16-Nov-1995 #sequence_revision 08-Feb-1996
C;Accession: JC4304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20
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                                                                                                                                                                                                                                                                                                           A;Map position: 3pter-p21
C;Keywords: G protein-coupled receptor; lymphokine; transmembrane
F;35-57/Domain: transmembrane #status predicted <TM1>
F;66-88/Domain: transmembrane #status predicted <TM2>
                                                                                                                                                                                                                                                                                                                                                                                                                        A;Cross-references: GB:U20350; NID:g665580; pID:g665581
A;Experimental source: peripheral blood mononuclear cell
C;Comment: This protein is a cell-surface receptor which
C;Comment: This protein is a key regulator of many immune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    δõ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            밁
                                                                                                                                                                                                           F;104-125/Domain: transmembrane #status predicted <TM3>F;146-165/Domain: transmembrane #status predicted <TM4>F:146-165/Domain: transmembrane #status predicted <TM5>F:197-217/Domain: transmembrane #status predicted <TM5>F;230-254/Domain: transmembrane #status predicted <TM6>F;275-296/Domain: transmembrane #status predicted <TM7>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Molecule type: mRNA
A; Residues: 1-355 < RAP>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   orphan
  γΩ
                                        밁
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Best Local S
Matches 116
                                                                                                                                                                                                                                                                                                                                                                                                            Genetics:
                                                                                                                  Matches
                                                                                                                                                      Query Match
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hes 116; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 G-protein-coupled receptor rnate names: V28 protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 69
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                                                                                                                                    Local
                                        N
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CISIDRYVAIVQAVSAHRHRARVLLISKLSCVGIWILATVLSIPELLYSDLQRSSSEQAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FISLDRYLAIVHAINS--QRPRKLLAEKVVYYGVWIPALLLTIPDFIFANV--SEADDRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LKTMTDTYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGMLLLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TDDYIGDNTTVDYTLFESLCSKKDVRNFKAWFLPIMYSIICFVGLLGNGLVVLTYIYFKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LGAKFKTSAQHALTSVS--RGSSLKILSKGKRGGHSSVSTESESSSFHS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            VVVFIVFQLPYNGVVLAQTVANFNITSSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RCSLITEHVEAFITIQVAQMVIGFLVPLLAMSFCYLVIIRTLLQARNFERNKAIKVIIAV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ICDRFYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LRSMTDKYRLHLSVADLLEVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVLILA 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTYHKWISITEALAFFHCCLNPILYAF
LRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVLILA
                                        DQFPESVTENFEYDDLAEACYIGDIVVFGTVFLSIFYSVIFAIGLVGNLLVVFALTNSKK
                                                                            DNYTEEMGSG-DYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVILVMGYQKK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IGVKFRNDLFKLFKDLGCLSQEQLRQWSSCRHIRRSSMSVEAETTTTFS
                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30.4%;
nilarity 33.2%;
Conservative 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Schweickart, V.L.; Eddy Jr.,
                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              G-protein-coupled receptor-encoding JC4304; MUID:96011651
                                                                                                                                    30.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  79;
                                                                                                                    68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 557; DB 2;
Pred. No. 1.4e-38;
                                                                                                                Score 549.5; DB 2;
Pred. No. 5.5e-38;
8; Mismatches 144;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           R.L.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Shows,
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                                                                                                                                                        Length
                                                                                                                      Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gray, P.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-Mar-1999
                                                                                                                      27;
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                                                                                                                    Gaps
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RESULT 15

S56162

MDCR15 protein - human

C.Species: Homo sapiens (man)

C.Species: Homo sapiens (man)

C.Species: Homo sapiens (man)

C.Date: 27-Oct-1995 #sequence_revision 03-Nov-1995 #text_change 10-Sep-1997

C.Accession: 556162

R.Barella, L.; Loetscher, M.; Tobler, A.; Baggiolini, M.; Moser, B.

Blochem. J. 309, 773-779, 1995

A;Title: Sequence variation of a novel heptahelical leucocyte receptor through alternati

A;Reference number: S56162

A;Accession: S56162

A;Accession: S56162

A;Accession: S76162

A;Accession: S76163

A;Accession: S76163

A;Accession: S76163

A;Accession: S76164

A;Accession: S76165

A;Accession: S76164

A;Accession: S76165

A;Accession: S7616
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Search completed: September 14, 1999, 09:51:24
Job time: 22 sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Cross-references: EMBL:X68829; NID:g840783; PID:g840784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 29.7%; Score 544; DB 2; Length 327; Best Local Similarity 34.2%; Pred. No. 1.4e-37; Matches 113; Conservative 70; Mismatches 123; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                246 LAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAFL 305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           200 QFQHIMVGLILPGIVILSCYCIIISKLSHSKGH-QKRKALKTTVILILAFFACWLPYYIG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  154 KVVYVGVWIPALLLTIPDFIFANVSEADDRYICDRFYPNDLWVVVF--------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 306 GAKFKTSAQHALTSVSRGSSLKIL-----SKGKRGGHSSVSTESESSSFHSS 352
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   178
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      62 AVAEGSVGWVLGTFLCKTVIALHKVNFYCSSLLLACIAVDRYLAIVHAVHAYRHRRLLSI 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     94 WAVDAVANWYFGNFLCKAVHVIYTVNLYSSVLILAFISLDRYLAIVHATNSQRPRKLLAE 153
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                                                                                                                                                                              KLGCTSPASLCQLFPSWRRSSLS-ESENAT 322
                                                                                                                                                                                                                                                          SVSRGSSLKILSKGKRGGHSSVSTESESSS 348
                                                                                                                                                                                                                                                                                                                             IFLOTLARLKAVONTCKLNGSLPVAITMCEFLGLAHCCLNPMLYTFAGVKFRSDLSRLLT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ANENKIFLPTIYSIIFLTGIVGNGLVILVMGYQKKLRSMTDKYRLHLSVADLLFVITLPF 93
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                                                                                                                                                                                                                                                                                                                                                                                                 ISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQHALT 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RFLYHVAGFLLPMLVMGWCYVGVVHRLRQAQRRPQRQKAVRVAILVTSIFFLCWSPYHIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ASFKAVFVPVAYSLIFLLGVIGNVLVLVILERHROTRSSTETFLFHLAVADLLLVFILPF
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Database
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Title:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Run on:
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1830
                          453288 seqs, 56848278 residues
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pending_Patents_AA:*
//cgn2_6/ptodata/2/paa/US081_COMB.pep:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /cgn2_6/ptodata/2/paa/PCTUS9_COMB.pep:*
/cgn2_6/ptodata/2/paa/US07_COMB.pep:*
/cgn2_6/ptodata/2/paa/US080_COMB.pep:*
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(without alignments)
864.389 Million cell updates/sec
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

20	19	18	17	16	15	14	13	12	11	10	9	80	7	Ó	. 0	4	ω	2	1	Result
600.5	600.5	600.5	600.5	1752	1752	1752	1789	1789	1789	1808	1830	1830	1830	1830	1830	1830	1830	1830	1830	Score
32.8	32.8	32.8	32.8	95.7	95.7	95.7	97.8	97.8	97.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Query Match Length
360	360	360	360	337	337	337	352	352	352	356	352	352	352	352	352	352	352	352	352	
<u>1</u> 3	12	12	10	22	J	N	7	7	4	15	15	15	12	12	12	12	7	σ	⊷	DB
US-08-989-107-34	US-08-887-977-16	US-08-875-573-20	US-08-675-814-14	US-09-299-843A-46	US-08-245-242-46	US-07-977-452A-21	US-08-450-393-6	US-08-446-669-6	US-08-182-962-6	US-09-122-068-2	US-09-104-296-4	US-09-104-063-4	US-08-802-627A-4	US-08-802-627-4	US-08-801-238-4	US-08-801-228-4	US-08-441-562-2	US-08-308-880-2	PCT-US93-10672-2	ID
34,	•	Sequence 20, Appl	Sequence 14, Appl	Sequence 46, Appl	Sequence 46, Appl	ζ_	Sequence 6, Appli	Sequence 6, Appli	Sequence 6, Appli	Sequence 2, Appli	Sequence 4, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Description					

ALIGNMENTS

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PCT-US93-10672-2
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PCT-US93-10672-2
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GENERAL INFORMATION:
APPLICANT: GENENTECH, INC.
TITLE OF INVENTION: CC-CHEMOKINE RECEPTOR
NUMBER OF SEQUENCES: 11
                                                                                                                               FILING DATE: ATTORNATION:
ATORNAY/AGENT INFORMATION:
NAME: Fitts, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 806
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1489
TELEFAX: 415/252-9881
                                                                                               TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION NUMBER: PCT/US93/10672
FILING DATE:
FILING DATE:
                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acid
                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: U:
ZIP: 94080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
                 TOPOLOGY:
                                    : 352 amino acids amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           California
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                                                                                            US-08-308-880-2
                                                                                                                                                            REFERENCE/DOCKET NUMBER: 806
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/925-1489
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
 Query Match
Best Local Similarity
Matches 352; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 2, Application US/08308880 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/9:
FILING DATE: 10-NOV-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: 5.25 inch,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: RICHARD HORUK, KULDEEP NEOTE, THOMAS SCHALL TITLE OF INVENTION: CC-CHEMOKINE RECEPTOR
                                                                                                                                                                                                                                                                                                                               FILING DATE: 10-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                301
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61
                                                                                                                              TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                           NAME: Fitts, Renee A. REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MEGISIYTSDNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVI 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       94080
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Score 1830; DB 6; Pred. No. 2.1e-167; Mismatches 0;
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TOPOLOGY: US-08-441-562-2
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                                                                                                                                                                                                        FILING DATE: 19-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/974
FILING DATE: 10-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
                                                             TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                               CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/3/
FILING DATE: 19-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 mb i
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSE: Genentech, Inc.
STREET: 460 Point San Bruno
CITY: South San Francisco
                                                                                                                                      REFERENCE/DOCKET NUMBER: POTELECOMMUNICATION INFORMATION: 415/225-5530
                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA: APPLICATION NUMBER: US
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                                                                                                                                                                                         NAME: Love, Richard REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                   LENGTH:
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                                  Amino Acid
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Sequence 4, Application US/08801228 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 mb floppy disk
COMPUTER: IBM PC compatible
COMPUTER: BRIPC COMPATING SYSTEM: PC-DOS/MS-DOS
COMPATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
CORRESPONDENCE Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                         NAME: LOVE, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: PO
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DO SOFTWARE: WinPatin (Genentech) CURRENT APPLICATION DATA:
                                                                                                                                                                                                             APPLICATION NUMBER: 07/810782 FILING DATE: 19-DEC-1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: WOOD, WILLIAM I
TITLE OF INVENTION: METHODS FOR DETECTION AND AMPLIFICATION
TITLE OF INVENTION: PF4A RECEPTOR NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/801,228 FILING DATE: 19-Feb-1997 CLASSIFICATION: 435
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Best Local Similarity
Matches 352; Conserv
APPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, Richard B.
RECISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P0706P2P1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/801,238
FILING DATE: 19-Feb-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/284586
FILING DATE: 10-AUG-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech) CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Lee, James
APPLICANT: Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Genentech
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: PF4A RECEPTOR NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 450 rom.
CITY: South San Francisco
STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             E: Genentech, Inc.
460 Point San Bruno Blvd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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301 301 241 181 181 121 121

61 61

US-08-801-228-4

INFORMATION FOR SEQ ID NO: 4: SEQUENCE CHARACTERISTICS: LENGTH: 352 amino acids

TELEPHONE: 415/225-55 TELEFAX: 415/952-9881 TELEX: 910/371-7168

APPLICATION NUMBER: FILING DATE: 11-JUN-PRIOR APPLICATION DATA:

11-JUN-1993

PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/20
FILING DATE: 10-AUG-1994

USA

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US-08-801-238-4
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Best Local
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INFORMATION FOR SEO ID NO: 'SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
TYPE: Amino Acid
               FILING DATE: 10-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076
FILING DATE: 11-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION UMBER: 07/810
FILING DATE: 19-DEC-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Lee, James
APPLICANT: Wood, William I.
TITLE OF INVENTION: NUCLEIC ACID ENCODING PF4A RECEPTOR
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb f
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                          PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                 SOFTWARE: WinPatin (Ge CURRENT APPLICATION DATA:
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                                                                                                                                                                                            CLASSIFICATION:
                                                                                                                                                                                                            APPLICATION NUMBER: US/0 FILING DATE: 19-Feb-1997
                                                                                                                                                                                                                                                                                                                                                                                CITY: South San Francisco
STATE: California
COUNTRY: USA
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                                                                                                                                                    APPLICATION NUMBER: 08/284586
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                                     07/810782
                                                                                                                                                                                                                                                                   (Genentech)
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                                                                                               08/076093
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Pred. No. 2.1e-167;
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                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: NUCLEIC ACID ENCODING PF4A RECEPTOR NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                   CLASSIFICATION: 514
PRIOR APPLICATION UMBER: 08/284586
PILING DATE: 10-AUG-1994
                                                                                                                                                      CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Lee, James
APPLICANT: Wood, William I.
                   PRIOR APPLICATION DATA:
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CITY: South San Francisco
STATE: California
                                                                                                                 APPLICATION NUMBER: US/0 FILING DATE: 19-Feb-1997
                                                                                                                                                                                                                                                                                     COUNTRY:
APPLICATION NUMBER:
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94080 USA

US/08/802,627A

08/076093

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US-08-802-627-4
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TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 352; Conserv
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5330
TELEPAX: 415/952-9881
                          301 LYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS 352
                                                                                                                                   241 TVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPI 300
                                                                                                                                                                                                                                                                                                                                          121 YSSYLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEA 180
                                                                                                                                                                                                                                                                                                                                                                                                                   61 LVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNL 120
                                                                                                                                                                                                                                                                                                                                                                                                                                             61 LVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNL 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: Linear
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LYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS
                                                                                                        TVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPI
                                                                                                                                                                                                         DDRYICDRFYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 1830; DB 12; 100.0%; Pred. No. 2.1e-167; tive 0; Mismatches 0;
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US-09-104-063-4
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Best Local s
Matches 352
                                                                                                                                                                                                                                                                                                          Sequence 4, Application US/09104063
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, WIlliam I.
TITLE OF INVENTION: PF4A Receptors
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb flop
MEDIUM TYPE: 3.5 inch, 1.44 Mb flop
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/104,063
FILING DATE: 24-June-1998
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SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: PO:
TELECOMMUNICATION INFORMATION:
TELECHNONE: 415/225-5530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 11-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        301 LYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS 352
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CITY: South San Francisco
STATE: California
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                                                                                                                                                                                  COUNTRY: UZIP: 94080
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TELEX: 910/371-7168
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                                                                                                                                                                                                                                                                                            ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
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                                                                                                                                                                                                                                                                                            Genentech, Inc
                                                                                                                                   1.44 Mb floppy disk
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                                                                                                                  Sequence 4, Application US/09104296
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, WILLIAM I.
TITLE OF INVENTION: PF4A Receptors
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
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Matches
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PRIOR APPLICATION NUMBER: 07/810

FILING DATE: 19-DEC-1991

ATTORNEY/AGENT INFORMATION:

NAME: Love, Richard B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: POTELECOMMUNICATION INFORMATION: TELEPHONE: 415/225-5530
TELEPHONE: 415/952-9881
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APPLICATION NUMBER: 08/701265
FILING DATE: 22-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/664228
FILING DATE: 06-JUN-1996
COMPUTER READABLE FORM:
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PRIOR APPLICATION NUMBER: 08/076093
                             STREET: 1 DNA "",
CITY: South San Francisco
STATE: Callfornia
                                                                                                                                                                                                                                                                                                                                                                                                        241
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                 COUNTRY: UZIP: 94080
                                                                                   ADDRESSEE: Genentech, STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61 LVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNL 120
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les 352; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DDRYICDREYPNDLWVVVFQEQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKT 240
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 1830; DB 15; ilarity 100.0%; Pred. No. 2.1e-167; Conservative 0; Mismatches 0;
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RESULT 10
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Sequence 2, Application US/09122068
GENERAL INFORMATION:
GENERAL PILLARISETTI, KODANDARAM
APPLICANT: GUPTA, SHALLEY
TITLE OF INVENTION: CXCR4B: A HUMAN
TITLE OF INVENTION: OF CXCR4 CHEMOK:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino ---
TYPE: Amino ---
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Best Local Similarity
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REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P070
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard
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APPLICATION NUMBER: 08/70
FILING DATE: 22-AUG-1996
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CURRENT APPLICATION DATA:
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SOFTWARE: WinPati
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 1830; DB 15; 100.0%; Pred. No. 2.1e-167; vative 0; Mismatches 0;
   CXCR4B: A HUMAN SPLICE VARIANT OF CXCR4 CHEMOKINE RECEPTOR
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RESULT 11
US-08-182-962-6
; Sequence 6, Application US/08182962
; GENERAL INFORMATION:
; APPLICANT: Charo, Israel
; APPLICANT: Coughlin, Shaun

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243 187 127

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; TOPOLOGY: line
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Best Local Similarity
Matches 347; Conserv
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TELEX: 846169
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Prestia, Paul FF
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: GH-7
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
TELEFAX: 610-407-0701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: FastSEQ for Windows Version CURRENT APPLICATION DATA:
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ATTORNEY/AGENT INFORMATION:
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308 FLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS
                      304 FLGAKEKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS 352
                                                                       248
                                                                                       244 LILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYA
                                                                                                                                 188 YICDRFYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVI
                                                                                                                                                      184 YICDREYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVI
                                                                                                                                                                                                  128 VLILAFISLDRYLAIVHAINSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEADDR
                                                                                                                                                                                                                      124 VLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEADDR 183
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SOFTWARE: FastSEC
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CITY: Valley Forge
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                                                                LQIYTSDNYTEEMGSGDYDSMKEPCFREENANFNKIFLFTIYSIIFLTGIVGNGLVILVM
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                                                                                                                                                                                                                                                                                                                                                                                                       Score 1808; DB 15;
Pred. No. 2.7e-165;
1; Mismatches 1;
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Gaps

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RESULT 12
US-08-446-669-6
: Sequence 6, Application US/084
: Sequence 1, Application US/084
: GENERAL INFORMATION:
: APPLICANT: Charo, Israel
: APPLICANT: COughlin, Shaun
: TITLE OF INVENTION: MAMMAL
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Best Local :
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TELEX: 380816CooleyPA
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: Cserr, Luann
REGISTRATION NUMBER: 31,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-494-7622
TELEFAX: 415-857-0663
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/182,962
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346; Conserv
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amino acid
GY: linear
                                                                        Application US/08446669
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5 Palo Alto Square
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98.3%;
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 MAMMALIAN MONOCYTE CHEMOATTRACTANT
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Pred. No. 1.8e-163;
0; Mismatches 6; Indels
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Sequence 6, Application US/08450393; GENERAL INFORMATION:
APPLICANT: Charo, Israel
APPLICANT: Coughlin, Shaun
TITLE OF INVENTION: MAMMALIAN M
TITLE OF INVENTION: PROTEIN REC
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                                                                                                                              RESULT
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Best Local Sim
Matches 346;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Neeley, Richard
REGISTRATION NUMBER: 30,092
REFERENCE/DOCKET NUMBER: UCAI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-843-5000
TELEFAX: 415-857-0663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: J. STREET: J. STREET: Palo Alto CITY: Palo Alto California MSA
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FILING DATE: May 25, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Neeley, Richard
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HYPOTHETICAL:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentin Release #1.0, Version
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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98.3%;
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 MAMMALIAN MONOCYTE CHEMOATTRACTANT PROTEIN RECEPTORS
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Pred. No. 1.8e-163;
0; Mismatches 6;
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NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward (
STREET: 5 Palo Alto Square

Godward Castro Huddleson & Tatum

CORRESPONDENCE ADDRESS:

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HYPOTHETICAL:
US-08-450-393-6
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US-07-977-452A-21
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Best Local :
                                                                    Sequence 21, Application US/07977452A GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: UC:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-843-5165
TELEFAX: 415-8857-0663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
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CITY: Palo Alto
STATE: California
COUNTRY: USA
          APPLICANT: Godiska, Ronald APPLICANT: Gray, Patrick W. APPLICANT: Schweikart, Vicki L. TITLE OF INVENTION: Novel Seven
NUMBER OF
                                                                                                                                                                                                                                                                                                                                           121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08, FILING DATE: May 25, 1995 CLASSIFICATION: 424
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98.3%;
             Novel Seven
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Pred. No. 1.8e-163;
0; Mismatches 6;
                 Transmembrane Receptors
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                                                                                                                                                  RESULT 15
US-08-245-242-46
Sequence 46, Application US/08245242
GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEX: 25-3856
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: Two CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: NOLAND, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 30
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 337 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  136 LAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEADDRYICDRFYPNDLW 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: marshall, O'Toole, Gerstein, ADDRESSEE: Bicknell
                                                                                                                                                                                                                                                                                                                                                                          181
                                                                                                                                                                                                                                                                                                                                                                                                              196
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVILVMGYQKKLRSMTDK 60
                                                                                                                                                                                                                                                                                                                                                                        VVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVILILAFFACWLPY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     YRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVLILAFISLDRY 120
                                                                                                                                                                                                                                                                                                                                    YIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQH 315
                                                                                                                                                                                                                                                                                                                                                                                             VVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVILILAFFACWLPY 255
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                95.7%;
ilarity 100.0%;
Conservative 0
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; Pred. No. 5.9e-160;
0; Mismatches 0;
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Marshall, O'Toole, Gerstein, Murray &

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Search completed: September 14, 1999, 09:52:21 Job time: 79 sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 95.7%; Score 1752; DB 5; Length 337; Best Local Similarity 100.0%; Pred. No. 5.9e-160; Matches 337; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION UUMBER: US/08/245,242
FILING DATE:
CLASSIFICATION: 435
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/153,848
FILING DATE: 17-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Noland, Greta E, REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6500
TELEFAX: (312) 474-0448
TELEX: 25-3856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 46: SEQUENCE CHARACTERISTICS: LENGTH: 337 amino acids TYPE: amino acid TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                        196 VVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVILILAFFACWLPY 255
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ADDRESSEE: Bor:
STREET: 6300 Sc
CITY: Chicago
STATE: Illinoi:
                                                                                                                                                                                         256 YIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQH 315
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                                                                                                                                                                                                                                                                                                                                                                                                 76 YRLHLSVADLLEVITLPEWAVDAVANWYEGNELCKAVHVIYTVNLYSSVLILAFISLDRY 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
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Title: Perfect score:

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Scoring table:

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Database

Issued_Patents_AA: *

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/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
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September 14, 1999, 09:50:15;

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Sequence 3, Application US/0820;
Patent No. 5440021
GENERAL INFORMATION:
APPLICANT: Chuntharapai, An:
APPLICANT: Hebert, Caroline
APPLICANT: Kim, Kyung Jin
APPLICANT: Lee, James
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US-08-202-056-3
                                                                                                                                                                                                                                                        TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
TYPE: amino acid
                                                                                                                                                     Query Match
Best Local Similarity
Matches 352; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy di
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
ADDITICATION DATA:
                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/202,056
FILING DATE: 25-FEB-1994
CLASSIFICATION: 436
PRIOR APPLICATION DATA: 07/677211
APPLICATION NUMBER: 07/677211
APPLICATION NUMBER: 07/677211
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHART B.
REGISTRATION NUMBER: 34,659
REGISTRATION INFORMATION:
TELEPHONE: 415/225-530
TELECOMMUNICATION INFORMATION:
TELEPAX: 415/225-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION:
                            121
                                                                                                                                                                                                                                             TYPE: ami
TOPOLOGY:
                                                     61
                                                                                                      YSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEA
                                                 YSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEA

    Application US/08202056
    5440021

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US-08-383-750-2

US-08-383-751A-2

PCT-US93-09636-2

US-08-450-393A-2

PCT-US95-00476-2
                                                                                                                                                            0;
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Pred. No. 6
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5.4e-144;
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Description

Sequence Sequence Sequence

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US-08-202-056-3
US-08-201-265-4
US-08-201-265-4
US-08-284-586-4
US-08-805-478-6
US-08-450-3938-8
US-08-450-3938-8
PCT-US95-00476-6
PCT-US95-00476-6
PCT-US95-00476-7
US-08-202-056-1
US-08-202-056-1
US-08-202-056-1
US-08-410-4538-1
US-08-410-4548-1
US-08-203-468-2
US-08-153-848-1
PCT-US93-11153-15
PCT-US93-11153-15
PCT-US93-11153-24
PCT-US93-11153-28
PCT-US93-11153-28
PCT-US93-11153-28
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PCT-US93-11153-28

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US-08-202-056-5 US-08-076-093A-6 US-08-701-265-6 US-08-284-586-6

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US-08-076-093A-4
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                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                         Matches
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                                                                                                                                                                                                                                                                                                            TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb i
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/8
FILING DATE: 19-DEC-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: WinPatin (Gen
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Lee, James
                                                                                                                                                                                                                                                                                                                                                             NAME: LOVE, Richard B
REGISTATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 700
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 29-MAR-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Hebert, Caroline
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                             TYPE: Am:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
   61
                  61 LYMGYQKKLRSMTDKYRLHLSVADLLEVITLDFWAVDAVANWYFGNFLCKAVHVIYTVNL 120
                                                                                                                                                                                                                                                                                                                                                TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE:
                                                                                                                                                                                                                                                                            LENGTH:
                                                                                     1 MEGISIYTSDNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIYGNGLYI 60
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 LVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNL 120
                                                                   MEGISIYTSDNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVI 60
                                                                                                                                                                                                                                                           Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Application US/08076093A
                                                                                                                                                                                                                                                                            352 amino acids
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                                                                                                                                                                                                                                                                                                                                                  415/952-9881
                                                                                                                                  100.0%; Score 1830; DB 1; ilarity 100.0%; Pred. No. 6.4e-144; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                             Linear
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                                                                                                                                                                        Length 352;
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US-08-701-265-4
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                                                                               ; TOPOLOGY: US-08-701-265-4
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GENERAL INFORMATION:
APPLICANT: Chunth
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                                                                                                                            TELEPHONE: 415/225-5530
TELEPAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
Query Match
Best Local Similarity
Matches 352; Conserv
                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/677
APPLICATION NUMBER: 1991
FILING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B
REGISTRATION NUMBER: 34,65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM: MEDIUM TYPE: 3.5 inc
                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION: TELEPHONE: 415/225-5530
                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 424
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Genentech, Inc. STREET: 460 Point San Bruno CITY: South San Francisco STATE: 0-146----
                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 08/076093
FILING DATE: 11-Jun-1993
APPLICATION NUMBER: 07/810782
                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 22-AUG-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                 TYPE: Amino Acid
                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPI 300
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Hebert, Caroline
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100.0%; ilarity 100.0%; Conservative 0
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                  Score 1830; DB 2;
Pred. No. 6.4e-144;
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                                    Length 352;
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Mismatches

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US-08-284-586-4
                                                       NAME: Love, Richard B
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 706P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
TELEPHONE: 415/952-9881
TELEPA: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
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MEDIUM TYPE: 3.5 inch, 1.44 Mb fle
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/284.586
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Lee, James
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kim, K.
            SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/076,093A FILING DATE: 11-Unn-1993 APPLICATION NUMBER: 07/810782 FILING DATE: 19-DEC-1991 PRIOR APPLICATION DATA: APPLICATION UNMERS: 07/677211 FILING DATE: 29-MAR-1991
                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 424
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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Amino Acid
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RESULT 5
US-08-805-478-4
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Sequence 4,
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Best Local Similarity
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                                                                                       301 LYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS 352
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                                                                       LYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS
                                                                                                                                               TVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPI 300
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Pred. No. 6.4e-144;
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Patent No.
                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/284586
FILING DATE: 10-AUG-1994
PRIOR APPLICATION NUMBER: 08/076093
APPLICATION NUMBER: 08/076093
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UMBER: 07/810782
FILING DATE: 19-DEC-1991
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APPLICANT: Chutcharapai, And
APPLICANT: Lee, James
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kim, K.
                                  ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,
                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/805,478
FILING DATE: 25-Feb-1997
                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: 3.5 inc
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS SOFTWARE: WinPatin (Genente
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                   REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
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TELEPHONE:

415/952-9881

415/225-5530

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US-08-450-393A-6

: Sequence 6, Application US/08450393A

: Patent No. 5707815
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Matches
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APPLICANT: Charo, Israel
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INFORMATION FOR SEQ ID NO:
ATTORNEY/AGENT INFORMATION:
NAME: CSeTY, LUANN
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: UCAL-237/02US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-843-5165
TELEPHONE: 415-8857-0663
                                                                                                                                                                               CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward Castro
                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT TITLE OF INVENTION: PROTEIN RECEPTORS NUMBER OF SEQUENCES: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Charo, Israel APPLICANT: Coughlin, Shaun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301
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                                                                                                                           FILING DATE: May 25, 1995
CLASSIFICATION: 424
                                                                                                                                                                                              COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                                                          CITY: Palo Alto
STATE: California
                                                                                                                                                               APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                               COUNTRY:
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mes 352; Conserv
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Pred. No. 6.4e-144;
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RESULT 7
PCT-US95-00476-6
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INFORMATION FOR SEQ ID NO: (
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amin-
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GENERAL INFORMATION:
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
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MEDIUM TYPE: Floppy disk
COMPUTER: LEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                 NAME: Berliner, Robert
REGISTRATION NUMBER: 20,121
REFERENCE/DOCKET NUMBER: 55
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-977-1001
                                                                                                                                            CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: The Regents of the University of California TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT TITLE OF INVENTION: PROTEIN RECEPTORS
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CITY: Los Angeles
STATE: California
                                    TELEFAX:
                                                                                                                                                                                  FILING DATE
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Pred. No. 1.5e-140;
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PCT-US95-00476-6
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patent NO. 5759804
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY_AGENT INFORMATION:
NAME: No. 5759804and, Greta E.
REGISTRATION NUMBER: 35,302
                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                  STREET: Chicago
CITY: Chicago
CTATE: Illinois
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LENGTH: 352 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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TOPOLOGY:
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               REFERENCE/DOCKET NUMBER:
                                                                                                                          CLASSIFICATION:
                                                                                                                                           APPLICATION NUMBER: FILING DATE:
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Schweikart, Vicki L.
VENTION: No. 5759804el Seven
EQUENCES: 64
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INFORMATION:
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98.3%;
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RESULT 9
PCT-US93-11153-46
; Sequence 46, Application PC/TUS9311153
; GENERAL INFORMATION:
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Best Local Similarity
Matches 337; Conserv
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INFORMATION FOR SEQ ID NO:
                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA: APPLICATION NUMBER: PCT/US93/11153
                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                      STREET: OU.
STREET: Chicago
CITY: Chicago
TIlinois
TNE: Illinois
                             FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 6. CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Gray, Patrick W. APPLICANT: Schweikart, Vicki L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Novel Seven
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             301
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TELEFAX: (
TELEX: 25-
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                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                          COUNTRY: U:
ZIP: 60606
                                                                                                                    FILING DATE:
REGISTRATION NUMBER:
                  NAME:
                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Marshall, O'Toole,
ADDRESSEE: Bicknell
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TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        YRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVLILAFISLDRY 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS
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                  Noland,
                                                                                                                                                                                                                                                                                                                           6300 Sears Tower,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (312) 474-6300
(312) 474-0448
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100.0%; Pred. No. 1.6e-137;
tive 0; Mismatches 0;
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35,302
                                                                   07/977,452
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RESULT 10
US-07-759-568-1
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Best Local S
Matches 337
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                            APPLICATION NUMBER: US/07/75
FILING DATE: 19910913
CLASSIFICATION: 435
ATTORNEY_AGENT INFORMATION:
NAME: Scott, Watson T.
REGISTRATION NUMBER: 26581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 46:
                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
REFERENCE/DOCKET NUMBER: WITELECOMMUNICATION INFORMATION:
                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Murphy, Philip M.
TITLE OF INVENTION: Cloning of cDNA Encoding a Functional
TITLE OF INVENTION: Human Interleukin-8 Receptor
NUMBER OF SEQUENCES: 5
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LENGTH: 337 amino acids
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           196 VVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVILILAFFACWLPY 255
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                                                                                                                                                                                                                                                                             STATE: D.C
                                                                                                                                                                                                                                                                                             CITY: Washington
                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16 MGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVILVMGYQKKLRSMTDK 75
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les 337; Conserv
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1615 L Street,
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                                                                                                                       US/07/759,568
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et, N.W.
                WTS/5683/91535/WBH
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US-08-202-056-7
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INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: AMINO ACID
STRANDENNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 7, Application US/08202056 Patent No. 5440021
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Best Local Similarity 35.3%;
Matches 132; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb :
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                       SOFTWARE: patin (Genentech)
CURRENT APPLICATION NUMBER: US/08/202,056
                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS: ADDRESSEE: Genentech,
                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Antibodies NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Kim, Kyung Jin APPLICANT: Lee, James
                                                                                                                                                                                                                                               STREET: 460 Point San Bruno CITY: South San Francisco STATE: California
FILING DATE: 2: CLASSIFICATION:
                                                                                       SOFTWARE:
                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX:
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                                                                                                                                                                                                                               USA
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Hebert, Caroline
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                       25-FEB-1994
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                                                                                                                                                        360 Kb floppy disk
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Pred. No. 6.7e-40;
59; Mismatches 119; Indels
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PatentIn Release #1.0, Version #1

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US-08-450-393A-8
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TELEFA: 910/371-7168
TELEX: 910/371-7168
TINFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
                                                                                                                                                                                                                                                                                                                    Sequence 8, Application US/08450393A Patent No. 5707815 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 132;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
ZIP: 94306-2155
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                          APPLICANT: Charo, Israel
APPLICANT: Coughlin, Shaun
TITLE OF INVENTION: MANMALIAN MONOCYTE CHEMOATTRACTANT
TITLE OF INVENTION: PROTEIN RECEPTORS
NUMBER OF SEQUENCES: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
TELEFAX: 415/952-9881
                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Go
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              344 SRPSFVGSSSGHTS 357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 127 EVNFYSGILLLACISVDRYLAIVHATRTLTQKRYLV-KFICLSIWGLSLLLALPVLLFRR 185
                                                                                                                  CITY: Palo Alto
STATE: California
                                                                                                                                                          STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     57 GLVILVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIY 116
                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              67 SLVMLVILYSRVGRSVTDVYLLNLALADLLFALTLPIWAASKVNGWIFGTFLCKVVSLLK 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
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TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SKGHOKRKALKTTVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -----ESSSFHSS 352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ILGILHSCLNPLIYAFIGQKFR----HGL-----LKILAI-----HGLISKDSLPKD 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ALAFFHCCLNPILYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTES----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TVYSSNVSPA-----CYEDMGNNTANWRMLLRILPQSFGFIVPLLIMLFCYGFTLRTLFK 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ----ANVSEADDRYICDRFYPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSH 228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SDSFEDFWKGEDLSNYSYSSTLPPFLLDAAPC-EPESLEINKYFVYIIYALVFLLSLLGN 66
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                                                                                                                                                          E: Cooley Godward Castro Huddleson & Tatum 5 Palo Alto Square
                                                                                                      USA
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RESULT 13
PCT-US95-00476-8
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                                                                                                                                                                                                                                           Sequence 8, Application PC/TUS9500476 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Sir
Matches 132;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEX: 380816CooleyPA
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
ZIP: 90012-2628
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                  APPLICANT: The Regents of the University of California TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT TITLE OF INVENTION: PROTEIN RECEPTORS
                                                                                                                                                 NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-843-5165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION: NAME: Cserr, Luann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Rel CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181 TVYSSNVSPA-----CYEDMGNNTANWRMLLRILPQSFGFIVPLLIMLFCYGFTLRTLFK 235
                                                                       STREET: 201 N. Figueroa Street,
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               57 GLVILVMGYQKKLRSMTDKYRLHLSVADLLEVITLPFWAVDAVANWYFGNFLCKAVHVIY 116
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                                                        COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                62 SLVMLVILYSRVGRSVTDVYLLNLALADLLFALTLPIWAASKVNGWIFGTFLCKVVSLLK 121
                                                                                                                                  ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 31,822
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                                                                                                                                                                                                                                                                                                                                                                                 -----ESSSFHSS 352
                                                                                                                                                                                                                                                                                                                                                          SRPSFVGSSSGHTS 352
                                                                                                                                                                                                                                                                                                                                                                                                                                ILGILHSCLNPLIYAFIGQKFR----HGL------LKILAI-----HGLISKDSLPKD 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ALAFFHCCLNPILYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTES----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQVIQETCERRNHIDRALDATE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ----ANVSEADDRYICDRFYPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSH 228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SDSFEDFWKGEDLSNYSYSSTLPPFLLDAAPC-EPESLEINKYFVVIIYALVFLLSLLGN 61
                                      90012-2628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
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                                                                                                                                  Robbins, Berliner & Carson
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25, 1995
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Pred. No. 6.7e-40;
9; Mismatches 119
                                                                                                                5th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  119;
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GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Hebert, Caroline
APPLICANT: Kim, Kyung Jin
APPLICANT: Lee, James
ITILE OF INVENTION: Antibodies to Human IL
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
                                                                                                                                                                                                                       RESULT 14
US-08-202-056-1
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                                                                                                                                                                                       Sequence 1, Application US/08202056 Patent No. 5440021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-977-1001
TELEFAX: 310-977-1003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Rel CURRENT APPLICATION DATA:
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HYPOTHETICAL:
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                             339 SRPSFVGSSSGHTS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             57
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Berliner, Robe REGISTRATION NUMBER:
                 STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ----ANVSEADDRYICDRFYPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSH 228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SDSFEDFWKGEDLSNYSYSSTLPPFULDAAPC-EPESLEINKYFVVIIYALVFLLSLIGN 61
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South San Francisco
                460 Point San Bruno
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                                                                                                                                               Sequence 2, Application US/08076093A Patent No. 5543503 GENERAL INFORMATION:
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Best Local
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TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 07/677
FILING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, Richard B.
REGISTRATION NUMBER: 34,65
REFERENCE/DOCKET NUMBER: 7
                                                                     APPLICANT: Chuntharapai, And APPLICANT: Lee, James APPLICANT: Hebert, Caroline APPLICANT: Jin Kim, K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
                 APPLICANT: Jin Kim, K. TITLE OF INVENTION: AN NUMBER OF SEQUENCES: 6 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      132
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TELEFAX: 415/952-9881
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 ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11 NYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVILVMGYQKKLR 70
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les 121; Conservative
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Genentech,
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                                   Antibodies 6
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Pred. No. 4.9e-39;
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                                                     Human PF4A Receptors
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CLASSIFICATION: JOE CLASSIFICATION DATA: APPLICATION NUMBER: 07/810782 FILLING DATE: 19-DEC-1991 PRIOR APPLICATION DATA: 19-DEC-1991 PRIOR APPLICATION DATA: 29-MAR-1991 APPLICATION NUMBER: 29-MAR-1991 ATTORNEY/AGENT INFORMATION: NAME: LOVE, RICHARD BERGISTRATION NUMBER: 34,659 REGISTRATION NUMBER: 706P2 TELECOMMUNICATION INFORMATION: TELEPAX: 415/925-5530 TELEPAX: 415/92-9881 TELEY NOW FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS: LENGTH: 330 amino acids TOPDLOGY: Linear US-08-076-093A-2
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Search completed: September 14, 1999, 09:51:01 Job time: 46 sec
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COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTMARE: WinPatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/076,093A

FILING DATE: 11-Jun-1993

CLASSIFICATION: 530
                                                                                                                                                    191 LGNDTAKWRMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLI 250
                                                                                                                                                                                                                                                            190 YPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVILILA 247
                                                                                                                                                                                                                                                                                             132 SVDRYLAIVHATRTLTOKRHLV-KFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVCYEV 190
                                                                                                                                                                                                                                                                                                                  311 NFRHGFLKILAMHGLVS 327
                                                                                                                      308 KF-----KTSAQHALTS 319
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Human G-protein ch African green monk

ALIGNMENTS

Run on: OM protein protein search, using sw September 14, 1999, 09:50:15; GenCore version 4.5 Copyright (c) 1993 - 1998 Compugen Ltd model 15 ; Search time 14.3 Seconds
(without alignments)
583.043 Million cell updates/sec

Title: Perfect score: US-09-104-063-4 1830

Scoring table: BLOSUM62 1 MEGISIYTSDNYTEEMGSGD......KRGGHSSVSTESESSSFHSS 352

Database : Searched: A_Geneseq_36:* 188963 seqs, 23686106 residues

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Human G-protein re	MCD-4 TACAN	DECEMBER AT	-procer		Chemokine superium		bracerec face	Terror Transfer			transmembra	ē	transmembr	V31 se	peptide seque		Putative seven tra	Recombinant high a	ט	\vdash	erleukin-	Ę	7 8-	Putative seven tra	ant hi	nce in a hi	tej	in 8 r	8 rec	in a low	type 2-GBP	binant high	IP-10/Mig r	OD .	hemokine	murine	transmembi		rotein cou	ew platele	perfa	luman monocy	pescription		

RESULT	LT 1
R68812	ARRIO etandard. Drotein. 350
at	R68812;
ğ	18-JUL-1995 (first entry)
Œ	Human monocyte PF4AR.
KW	Interleukin-8 receptor; IL-8 receptor; PF4AR;
×Ψ	receptor; m
X	inflammation; inflammatory disease; arthritis; emphysema; cystic;
Χ¥	fibrosis; colitis; bronchitis; meningitis; therapeutic.
ŏ	Homo sapiens.
PZ	WO9428931-A.
ŏ	22-DEC-1994.
Ä	07-JUN-1994; U06380.
ž	11-JUN-1993; US-076093.
Ă	(GETH) GENENTECH INC.
ŭ	Chuntharapai A, Hebert C, Kim KJ, Lee J;
Ř	
æ	N-PSDB; Q80521.
ř	Treatment of inflammatory disorders - by administering an
Ä	antibody capable of binding a platelet factor 4 superfamily
ň	receptor polypeptide
Š	Disclosure; Page 54-56; 83pp; English.
റ്	2 PF4AR members were identified by probing lambda libraries from
ñ	human monoclyte-like cell line HL-60 and human peripheral blood
റ്	lymphocytes using a large fragment of IL-8 receptor DNA (full
റ്	sequence given in Q80520). The nucleotide sequences of the 2
റ്	and Q80522, and their respec
റ്	acid sequences in R68812 and R68813.
3	Sequence 352 AA:

RESULT R80757 ID R8 AC R8 DT 26 DЪ δÃ δÃ δÃ В DЪ В δõ 밁 DЪ Query Match 100.0%; Score 1830; DE 1; Length 352; Best Local Similarity 100.0%; Pred. No. 2.1e-212; Matches 352; Conservative 0; Mismatches 0; Indels 0 301 LYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS 352 301 121 121 YSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGGVWIPALLLTIPDFIFANVSEA 180 61 LVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNL 120
61 LVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNL 120 LYAFLGAKFKTSAQHALITSVSRGSSLKILSKGKRGGHSSVSTESESSSSFHSS 352 YSSYLILAFISLDRYLAIVHATNSQRPRKLLAEKVYYYGVWIPALLLTIPDEIFANVSEA 180 0; Gaps

0

R80757 standard; Protein; 352 AA. R80757; 26-MAR-1996 (first entry)

chronic lung inflammation; treatmaffinity purification; detection.

Homo

sapiens.

Chemokine superfamily receptor.
Interleukin; IL-8; inflammation; psoriasis; dermatitis; rheumatoid arthritis; inflammatory bowel disease;

treatment; antibody;

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RESULT
R27792
ID R:
AC R
AC R
DT 1
DE N
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Best Local s
Matches 352
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Antibodies directed against the interleukin-8 receptor B can be used antibodies directed against the interleukin-8 receptor B can be used to treat or prevent inflammation e.g. psoriasis, dermatitis, to treat or prevent inflammation e.g. psoriasis, dermatitis, and rhead arthritis and particularly inflammatory bowel disease and chronic lung inflammation. When immobilised, these antibodies may be used to detect interleukin-8 receptor B expression in cells and tissues and for affinity purification of interleukin-8 receptor B from cells. This sequence is an additional chemokine superfamily receptor which was identified by probing lamba libraries of genomic DNA from a human monocyte-like cell line (L-60) and human peripheral blood lymphocytes using a large fragment of the interleukin-8 type a receptor DNA (See Q99006).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (KIMK/)
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29-MAR-1991; US-677211.
25-FEB-1994; US-202056.
(CHUN/) CHUNTHARAPAI A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            or prevent inflammation,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chuntharapai A, H
WPI; 95-283151/37.
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12-MAR-1993 (first entry)
New platelet factor 4 receptor superfamily member PF4ARi.
IL-8R; G-protein coupled receptor family; rhodopsin super
pro-inflammatory cytokine; 8rr.20.15.
                                         R27792;
12-mar-1993
                                                                    R27792
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                                                                                                                                   MEGISIYTSDNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVI
                                                                                                                                                                                                                                                                                                           YSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEA
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                                                                                                                                                                                        TVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPI
                                                                                                                                                                                                                                           DDRYICDREYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKT
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                                                                    standard;
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52; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .0%; Score 1830; DB 1; .0%; Pred. No. 2.1e-212;
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                  superfamily;
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Best Local S
Matches 351
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W09217497-A.
15-0CT-1992.
23-MAR-1992; U02317.
29-MAR-1991; US-677211.
19-DEC-1991; US-810782.
(GETH) GENENTECH INC.
Holmes WE, Lee J, Wood WI
WPI; 92-366191/44.
                                                                                                                                                                                                                                                                                                                                                                                                         The II-8 receptor CDNA sequence was isolated (see Q29505) and a 874bp sub-fragment of the coding sequence was used as a probe to screen human cell line HL60 and human peripheral blood lymphocyte cDNA libraries. Two new gene sequences were found that are clearly related to the II-8 receptor. One of these was contained in combined clone 8rr.20.15 and is predicted to encode an amino acid sequence which is 34% identical with both the high and low affinit II-8 receptors. See also Q37107.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 7; Fig 4; 78pp; English. The IL-8 receptor cDNA sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        isolated human platelet factor 4 polypeptide and corresp. antibodi diagnostic and screening agents. PF4AR-mediated disorders
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                                                                                                              LVMGYOKKLRSMTDKYRLHLSVADLLFVITLÞFWAVDAVANWYFGNFLCKAVHVIYTVNL 120
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LYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS
                                                                    TVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPI
                                                                                                                                       DDRYICDREYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKT
                                                                                                                                                                      YSSYLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEA
                                                                                                                                                                                     YSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEA
                                                                                                                                                                                                                             LVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNL
                                                       TVILILAFFACWLPYYIGISIDSFILLEIIKQGYEFENTVHKWISITEALAFFHCCLNPI
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; Pred. No. 4.5e
0; Mismatches
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low affinity
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RESULT
W97362
  Homo sapiens.
EP-897980-A2.
24-FEB-1999.
                                                        G-protein coupled receptor polypeptide designated CXCR4B.
G-protein coupled receptor; CXCR4B; human; splice variant;
chemokine receptor; CXCR4; vaccine; gene therapy; HIV-1; HIV-1;
cancer; pain; diabetes; obesity; anorexia; bulimia; asthma;
rarkinson's disease; acute heart failure; hypotension; hypertension;
urinary retention; osteoporosis; angina pectoris; myocardial infarction;
stroke; ulcer; allergy; benign prostatic hypertrophy; migraine;
vomiting; psychotic disorder; neurological disorder; anxiety;
schizophrenia; manic depression; delirium; dementia; mental retardation;
dyskinesias; Huntingtons disease; Gilles de la Tourette syndrome.
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                                                                                                                                                                                                                                                                        2-MAY-1999 (first entry)
                                                                                                                                                                                                                                                                                                                   standard; Protein;
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07-AUG-1998; 24-JUL-1998; 20-AUG-1997;

SMITHKLINE BEECHAM

US-056601. US-056601.

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RESULT
W48734
ID W4
AC W7
DT 2!
DE H1
KW V7
KW 11
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Best I
                   Human RM3 seven transmembrane (7TM) receptor.
V28; placenta; seven transmembrane receptor;
                                                             W48734;
25-SEP-1998 (first entry)
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Gupta SK, Pillarisetti
WPI; 99-134643/12.
N-PSDB; X15882.
                                                                                                        W48734 standard;
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                                                                                                                                                                                                           FLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS
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99.4%;
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Pred. No. 9.6e-210;
1; Mismatches 1;
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                   receptor; 7TM; signal transduction;
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DR N-SDB; V18357.

DR N-SDB; V18357.

DR encoding V28 seven transmembrane receptor polypeptide - useful provided for producing recombinant polypeptide and anti-V28 antibodies, and in screening assays for V28 agonists and antagonists for in screening assays for V28 agonists and antagonists.

Example 11; Columns 93-94; 56pp; English.

The present sequence represents the human RM3 protein which is encoded by the full length genomic RM3 clone (V18357) which was isolated from a human macrophage cDNA library. The invention claims for the full length V28 genomic DNA sequence (V18357) which was isolated from a human placenta genomic library. The V28 (W48722) and RM3 proteins are seven transmembrane (7TM) receptors which are probably involved in signal transduction. The invention also claims that cells transformed with V28 CDNA can be used to produce the recombinant polypeptide, to produce anti-V28 antibodies or in screening assays for V28 agonists or antagonists. The antibodies, agonists and antagonists could then be used to modulate V28 receptor-ligand binding, for e.g. in immunological and/or inflammatory events in vivo.
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Godiska R, Gray PW, Schweickart
WPI; 98-332132/29.
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                                                                            YIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQH
                                                                                                                                                                                     LAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEADDRYICDRFYPNDLW
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                                                                                                                                                                                                                                                                                                                                MGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVILVMGYQKKLRSMTDK
 ALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS
                                                           YIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQH
                                                                                                                                                                                                                                                  YRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVLILAFISLDRY
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                                                                                                                                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                                                                                                                             95.7%; Score 1752; DB 1; ilarity 100.0%; Pred. No. 5.1e-203; Conservative 0; Mismatches 0;
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US-977452.
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287. .3
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198. .;
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17-NOV-1993; U11153
17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
Godiska R. Gray PW. Sc
WPI: 94-200264/24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R53753 stand
R53753;
07-FEB-1995
                                                                                                                                                                                                                                                                                                                                                                            prods. for use as therapeutic or diagnostic agents for conditions involving the receptors.

Example 11: Page 84-85: 100pp; English
Two primers (066148, Q66149) were used in a PCR reaction containing human macrophage cDNA library in plasmid pRC/CMV. When the PCR products were subjected to agarose gel electrophoresis a faint band of 180-200 base pairs was observed. Re-amplified material was dispested with BamHI and HindIII and cloned into the plasmid Bluescript KK- Of sixteen clones sequenced, two contained a unique sequence termed RM3. Specific primers for the partial RM3 clone were used to identify a full length RM3 cDMA clone (066179) which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA encoding seven trans:membrane receptors prods. for use as therapeutic or diagnostic
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Homo sapiens
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encoded this
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                                                   YIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQH
                                                                                                     VVVFQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVILILAFFACWLPY
                                                                                                                                                      LAIVHATNSQRPRKLLAEKVVYYGVWIPALLLTIPDFIFANVSEADDRYICDRFYPNDLW
                                                                                                                                                                                                        YRLHLSVADLLEVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVLILAFISLDRY
                                                                                                                                                                                                                                                        MGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVILVMGYQKKLRSMTDK
ALTSVSRGSSLKILSKGKRGGHSSVSTESESSSFHSS
                                                                                       VVVFQFQHIMVGLILPGIVILSSYCIIISKLSHSKGHQKRKALKTTVILILAFFACWLPY
                                                                                                                                        LAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFANVSEADDRYICDRFYPNDLW
                                                                                                                                                                                          YRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYTVNLYSSVLILAFISLDRY
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                                    YIGISIDSFILLEIIKQGCEFENTVHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQH
                                                                                                                                                                                                                                                                                              336;
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287. .31
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159. .1
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115. .13
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99.7%;
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Pred. No. 8.2e
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Best Local S
Matches 319
            Chemokine receptor K5.5; MIP-1-alpha; Chemokine receptor K5.5; MIP-1-alpha; atheroma; HIV; AIDS; graft rejection;
                                                                                                                       R99274
R99274;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of potent
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present sequence represents a murine CXC chemokine receptor which binds to the mouse CXC chemokine pre-B cell stimulatory factor PBSF/SDF-1. The nucleic acid is isolated from mouse pre-B cell line DW34. The receptor and cells expressing it can be used in the study and mapping of the mechanism of HIV infection and in screening of potential inhibitors of HIV infection and the development of AIDS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse CXC chemokine receptor by stimulatory factor - is useful infection and AIDS inhibitors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 98-447232/
N-PSDB; V46370.
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Iizasa H, Kishimoto T, Nac
Yoshida N, Yoshie O;
WPI; 98-44/232/38.
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13-AUG-1998.
07-FEB-1997; J00299.
07-FEB-1997; WO-J00299.
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Pred. No. 4.1e-194;
9; Mismatches 11;
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                      RANTES; MCP-1; allergy; stem cell.
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WO9623068-A1. 01-AUG-1996. 24-JAN-1996; G00143. 27-JAN-1995; GB-001683.

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Chemokine receptor which binds MIP-1-alpha, RANTES and/or MCP-1-pr useful in screening for agents to treat asthma, hay fever, eczema, pr allergies, atopic dermatitis, rhinitis or conjunctivits.

Claim 1; Fig 3; 47pp; English.

Claim 1; Fig 4; English.

Claim 2; English.

Claim 1; Fig 4; English.

Claim 2; English.

Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     δÃ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 96-362692/36.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-0CT-1998 (first entry)
20-0CT-1998 (first entry)
Rodent chemokine receptor HST01.1 amino acid sequence.
Rodent chemokine receptor HST01.1 amino acid sequence.
Rodent chemokine receptor; asthma;
Chemokine; primate; human; rodent; chemokine receptor; affiamatory response; immune response; leukocyte migration; GPCR;
leukocyte adhesion; chemoattractant; modulation; antiviral response;
cellular morphology modification response; G-protein coupled receptor;
phosphoinositide lipid turnover; abnormal proliferation; regeneration;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 W69999 standard; Protein; 367
                                                                                                                                                   30-JUL-1998.
22-JAN-1998: U00902.
23-JAN-1997: US-036715.
23-JAN-1997: US-036715.
(SCHE ) SCHERING CORP.
(SCHE) SCHERING JA, Mattson JD,
                                                                                                                                                                                                                                                                                                                                                       MUS SP.
WO9832858-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          199
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                                                                                                                                                                                                                                                                                                                                                                                                                         atrophy; HST01
                                        WPI; 98-427954/36.
N-PSDB; V43793.
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                                                                                                                          Zlotnik A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       82
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LFLETLVELEVL-QDCTFERYLDYAIQATETLAFVHCCLNPIIYFFLGEKFR 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AVFSLRARTLTYGVITSLATWSVAVFASLPGFLFSTCYTERNHTYCKTKYSLNSTTWKVL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FQFQHIMVGLILPGIVILSCYCIIISKLSHSKGHQKRKALKTTVILILAFFACWLPYYIG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SSLEINTLGLVIPLGIMLFCYSMMIRTLQHCKNEKKNKAVKMIFAVVVLFLGFWTPYNIV
            and primate chemokines
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Pred. No. 1.1e-63;
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                    and
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                        chemokine receptors
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CC receptors (GPCR), although their receptor polypeptides are useful to produce of the invention provides novel primate and rodent chemokines and chemokines can thibodies/fragments specifically binding the chemokines) are useful cor development e.g. inflammatory conditions associated with abnormal physiology therappeutically to treat conditions associated with abnormal physiology cor development e.g. inflammatory conditions such as asthma. Chemokines cor development e.g. inflammatory conditions such as asthma. Chemokines cor leukocyte migration and adhesion. They are also chemoattractants for responses e.g. modulation of second messenger levels (e.g. Ca+1), cresponses e.g. modulation of second messenger levels (e.g. Ca+1), cresponses e.g. modulation of second messenger levels (e.g. Ca+1), cresponses (GPCR), although their ligands have not yet been identified. Creditally neurons, macrophages of g-protein coupled creceptors (GPCR), although their ligands have not yet been identified. Creditally neurons, macrophages or lymphopytes) to treat e.g. abnormal (especially neurons, macrophages or lymphopytes) to treat e.g. abnormal (especially neurons, macrophages or lymphopytes) to treat e.g. abnormal crediteration, regeneration, generation and atrophy. The polypeptides are useful corpolates are also used to produce antibodies useful diagnostically, for drug care also used to produce antibodies useful diagnostically, for drug care also probes for detecting the polypeptides, and to isolate the polypeptides or related sequences, especially from other species. They complete the produce and to isolate the complete of centers and complete are useful to solate the polypeptide production.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               QΥ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   В
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This represents a rodent chemokine receptor HST01.1 amino acid sequence
                                                                                                                              Human IP-10/Mig receptor CXCR3 protein chemokine receptor; ceilular signal; tantiviral; inflammatory disease.
                                                                                                                                                                                                                             14-AUG-1998 (first entry)
                                                                                                                                                                                                                                                                                           W54371 standard; Protein; 368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            148
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                                                                                                   Homo sapiens.
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                                        Modified_site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       88
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RYLAIVHATNSQR--PRKLLAEKVVYVGVWIPALLLTIPDFIF--ANVSEADDRYICDRE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DYGENESDFSDSPPCPQDFSLNFDRTFLPALYSLLFLLGLLGNGAVAAVLLSQRTALSST
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FP-QVGRTALRVLQLVAGFILPLLVMAYCYAHILAVLLVSRGQRRFRAMRLVVVVVAAFA
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                                            Location/Qualifiers 22
             /note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31.6%;
          "N-linked glycosylation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 578; DB 1;
pred. No. 2.6e-61
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                                                                                                                                                                              treatment; T cell;
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                       site"
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                                                                                                                                                                                        antitumour;
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The mammalian CXC chemokine receptor 3 (CXCR3) protein can selectively bind one or more chemokines and can mediate cellular signalling and/or a cellular response in response. Inhibitors and promoters of mammalian CXCR3 can be detected and identified using host cells expressing CXCR3. CXCR3 inhibitors can be used for treatment of inflammatory diseases which are T cell mediated. CXCR3 promoters are useful for antitumour or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antiviral therapy.
Sequence 368 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA encoding CXC chemokine receptor 3 - inhibitors and promoters of which, are useful for treatment of inflammation or in anti-tumour or anti-viral therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-SEP-1997; U15915.
31-MAR-1997; US-829839.
10-SEP-1996; US-709838.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 7; Fig 2;
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11
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302. .322
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257. .:
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224. .2
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199
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170. .:
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                                                                    -LRLGCPNQRGLQRQPSSSRRDSSW 357
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RESULT R80953

R70124 standard; R70124;

Protein; 1064

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RESULT
R70124
ID R7
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Best Local Similarity
Matches 133; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           wonoclonal antibody against recombinant IL-8 receptor polypeptide useful for treating inflammatory disorders, for detecting neutrophil(s) and for isolating IL-8 receptor from liq.mixt. Claim 5; Fig 4A-B; 74pp; English.

Monoclonal antibodies were raised against recombinant interleukin-8 (IL-8) receptor subtypes A and B from both human and rabbit sources (R80950-53 encoded by Q99949-52). The A subtype receptor (IL-8rA) is a high affinity receptor and the B subtype receptor (IL-8rB) is a high affinity receptor. The monoclonal antibody (mAb) pref. binds to the IL-8 binding domain thus blocking its activation. The mabs are useful for treating inflammatory disorders (see key words) and for detecting the presence of neutrophils in a biological sample. The mabs are also useful in the isolation of IL-8 receptors from a mixture.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    anaphylaxis; systemic lupus erythematosus; rheumatoid arthritis;
systemic necrotising vasculitis; psoriasis; asthma; allergy; ARDS;
adult respiratory distress syndrome; neutrophil detection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  09-MAR-1995; U03032.
15-MAR-1994; US-210250.
02-MAY-1994; US-237937.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
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                                                                                                                                                                                                                                                                                                                                                                                             TVNLYSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIFA- 176
                                                                                                                                                                                                                                                                                                                                                                                                                                            SLYMLVILYSRYGRSYTDYYLLNLALADLLFALTLPIWAASKVNAWIFGTFLCKVVSLLK 126
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                                                                                                                                                                                                                                                                        SKGHQKRKALKTTVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITE 288
                                                                                                                                                                                                                                                                                                         TVYSSNVSPA-----CYEDMGNNTANWAMLLAILPQSFGFIVPLLIMLFCYGFTLRTLFK
                                                                                                                                                                                                                                                                                                                                          ----NYSEADDRYICDRFYPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSH
                                                                                                                                                                                                                                                                                                                                                                            EVNFYSGILLLACISVDRYLAIVHATRTLTQKAYLV-KFICLSIWVLSLLLALPVLLFAR 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SDSFEDFWKGEDLSNYSYSSTLPPFLLDAAPC-EPESLEINKYFVVIIYALVFLLSLLGN
                                                                                                                                      ESSSFHSS
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Pred. No. 7.8e-61;
7; Mismatches 120
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body; inflammatory disord
us; rheumatoid arthritis;
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В
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 35.4
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Hybrid peptide; malaria parasite; Plasmodium falciparum; fusion protein; red blood cell; cytokine receptor; glycophorin binding peptide 130; GBP 130; GBPH; glycophorin binding peptide homologue; glycophorin A. Chimeric Homo sapiens.

Chimeric Plasmodium falciparum.

W09506737-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-MAR-1995.
01-SEP-1994; G01900.
03-SEP-1993; GB-018350.
23-AUG-1994; GB-017021.
(PREN/) PRENDERGAST K F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a receptor peptide.
Example A: Page 80-82; 93pp; English.
Hybrid peptides for binding cytokines
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New hybrid peptide(s) for binding cytokine(s) malaria parasite peptide capable of binding a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New hybrid peptide(s)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Prendergast KF;
WPI; 95-115452/15
339
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                  KGHQKRKALKTTVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VNLYSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIF---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LVILVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIYT 117
                                                                                                                                                                                                                                                                   HMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQVIQETCERRNHIDRALDATEI
                                                                                                                                                                                                                                                                                                                                                                                                            VYSSNVSPA-----CYEDMGNNTANWRMLLRILPQSFGFIVPLLIMLFCYGFTLRTLFKA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ---ANVSEADDRYICDRFYPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSHS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LVMLVILYSRVGRSVTDVYLLNLALADLLFALTLPIWAASKVNGWIFGTFLCKVVSLLKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SDSFEDFWKGEDLSNYSYSSTLPFLLDAAPC-EPESLEINKYFVVIIYALVFLLSLLGNS 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SDNYT-----EEMGSGDYDSM-----KEPCFREENANFNKIFLPTIYSIIFLTGIVGNG 57
                                                                    ---- ESSSFHSS
                                                                                                                                     LGILHSCLNPLIYAFIGQKFR---
                                                                                                                                                                                                      LAFFHCCLNPILYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTES-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VNFYSGILLLACISVDRYLAIVHATRTLTQKRYLV-KFICLSIWGLSLLLALPVLLFRRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1064 AA;
                                                                352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31.1*;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             69;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 568.5; DB 1;
Pred. No. 1.8e-59;
9; Mismatches 119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      s) - comprising a
a red blood cell and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1064;
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                                                                                                                                     -HGLISKDSLPKDS
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Rabbit high affinity IL-8 receptor gene was isolated from rabbit peritoneal neutrophils and used as a source of poly(A)+ RNA, to produce a rabbit neutrophil cDNA library. 250,000 recombinant produce a rabbit neutrophil cDNA library. 250,000 recombinant produce a rabbit neutrophil cDNA library. 250,000 recombinant collected (030015). This probe was designed based on the collected receptors. After tertiary screening, six plaques were sequence derived from the second transmembrane domain of G-protein-coupled receptors. After tertiary screening, six plaques were indicated. The insert of one of these plaques, termed F3R was of 2.5 kb in size. This insert was sequenced. The protein deduced from the F3R clone demonstrates that it belongs to the family of c-protein-coupled receptors. The deduced protein sequence indicates seven putatuve transmembrane segments. A human peripheral blood leukocyte lambda gtll cDNA library (5' stretch) was screened with a 652 bp EcoRI/BamHI fragment (including nucleotides 2.7 to 625) of the rabbit F3R clone. After tertiary screening several human clones which hybridized to the rabbit IL-8 probe were isolated. The insert of one such clone, termed 4AB was sequenced (330012).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-OCT-1992.
10-APR-1992; U02977.
10-APR-1991; US-685101.
09-JUL-1991; US-726606.
09-DEC-1991; US-803842.
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(UYBO-) UNIV BOSTON.
Navarro J, Thomas KM, Witt
WPI: 92-382123/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                04-ApR-1993 (first entry)
Sequence in a low affinity recombinant human interleu:
(IL-8) receptor polypeptide in 4AB.
IL-8 receptor polypeptide; G-protein-coupled receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Recombinant mammalian interleukin-8 receptor - used for screening interleukin-8 binding antagonists, used to treat inflammation
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WO9218641-A.
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04-APR-1993
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                                                                              241
                                                                                                                                                                                                                                           127
                                                                                                                                                            186
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                                                                                                                                                                                                                                                              TVNLYSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDEIF---
                                                                                                                                                                                                                                                                                                                     ILGILHSCLNPLIYAFIGQKFR----HGL---
                                                                                                                    SKGHOKRKALKTTVILILAFFACWLPYYIGISIDSFILLEIIKOGCEFENTVHKWISITE
                                                                                                                                                            TVYSSNVSPA-----CYEDMGNNTANWRMLLRILPQSFGFIVPLLIMLFCYGFTLRTLFK
                                                                                                                                                                                                 ----ANVSEADDRYICDRFYPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSH
                                                                                                                                                                                                                                         EVNFYSGILLLACISVDRYLAIVHATRTLTQKRYLV-KFICLSIWGLSLLLALPVLLFRR 185
                                                                                                                                                                                                                                                                                                                                                                GLVILVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIY 116
                                                                                                                                                                                                                                                                                                                                                                                                        SDSFEDFWKGEDLSNYSYSSTLPPFLLDAAPC-EPESLEINKYFVVIIYALVFLLSLLGN
                                                                                                                                                                                                                                                                                                                                                                                                                                              SDNYT-----EEMGSGDYDSM------KEPCFREENANFNKIFLPTIYSIIFLTGIVGN
                                      ALAFFHCCLNPILYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTES----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            360 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31.0%; Score 568; DB 1; 35.3%; Pred. No. 4.1e-60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antagonists, used to treat inflammation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          360
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
---LKILAI----HGLISKDSLPKD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             interleukin-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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SRPSFVGSSSGHTS

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Best Local Sim
Matches 132;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ry New interleukin-8 receptor aminoacid sequence - and corresp. cDNA properties of interacellar in Xenopus laevis oocytes or transfected host cells, properties it is receptor and gene therapy so Claim I; Fig 3; 39pp; English.

CC CLAIM I, Fig 3; 39pp; English.

CC CDNA libraries from 2 and 3.5 kb fractions of poly(A)+ RNA from HL60 cells receptor and second in Unizar The neutrophils sepd. of a sucrose gradient were made in Unizar The Clibraries were screened with F3R oligonucleotide probe (from rabbit IL-8 receptor) and under low stringency with a p2 cDNA probe cells receptor and ounder low stringency with a p2 cDNA probe of the DNA cells receptor protein. The presence of the DNA cells receptor protein. The presence of the DNA cells receptor in L-8 receptor protein. The presence of the DNA cells receptor from the p2 clone as probes. P2 may also be used to screen cells protein to fire the p2 clone as probes. P2 may also be used to screen cells receptor in IL-8 receptor and has contracellular calcium-mobilising and ligand-binding properties.
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N-PSDB; Q38747.
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13-SEP-1991; US-759568.
(USSH ) US DEPT HEALTH & HUMAN SERVICE.
Murphy PM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          W09306229-A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-JUL-1993 (first entry)
Human IL-8 receptor from clone p2.
Interleukin-8 receptor; probes; gene therapy; gro receptor; intracellula-calcium mobilising; ligand-binding; MIP-2 rece
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   R33420;
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                                                                                                                                                                                                                                                                                                                                                                 117 TVNLYSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDEIF--
                                                                                                                                                                                                                                    229
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   57 GLVILVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIY 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9 SDNYT-----EEMGSGDYDSM------KEPCFREENANFNKIFLPTIYSIIFLTGIVGN
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15
                                                                                                                                                                                                                                                                                                                                                                                                                  SLYMLVILYSRYGRSYTDYYLLNLALADLLFALTLPIWAASKYNGWIFGTFLCKVVSLLK 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SDSFEDFWKGEDLSNYSYSSTLPPFLLDAAPC-EPESLEINKYFVVIIYALVFLLSLLGN
                                                                                                                                                        ALAFFHCCLNPILYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTES----
                                                                                                                                                                                                                                                                     TVYSSNVSPA-----CYEDMGNNTANWRMLLRILPQSFGFIVPLLIMLFCYGFTLRTLFK
                                                                                                                                                                                                  AHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQVIQETCERRNHIDRALDATE
                                                                                                                                                                                                                                 SKGHQKRKALKTTVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITE 288
                                                                                                                                                                                                                                                                                                                                             EVNFYSGILLLACISVDRYLAIVHATRTLTQKRYLV-KFICLSIWGLSLLLALPVLLFRR
                                                   SRPSFVGSSSGHTS
                                                                                                                          ILGILHSCLNPLIYAFIGQKFR---
                                                                                                                                                                                                                                                                                                       --ANVSEADDRYICDRFYPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSH 228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         355
                                                                                       -ESSSFHSS 352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  31.0%;
35.3%;
                                                       352
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Pred. No. 4e-60;
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                                                                                                                               -HGL--
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                                                                                                                             -LKILAI-----HGLISKDSLPKD
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Search completed: Job time: 28 sec

September 14, 1999, 09:50:43

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Best I
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Interleukin 8 receptor B.
Interleukin, IL-8; inflammation; psori
rheumatoid arthritis; inflammatory bow
chronic lung inflammation; treatment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           R80758 standard; Protein; 360 R80758;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Columns 53-56; 62pp; English.

Antibodies directed against the interleukin-8 receptor B can be used to treat or prevent inflammation e.g. psoriasis, dermatitis, rheumatoid arthritis and particularly inflammatory bowel disease and chronic lung inflammation. When immobilised, these antibodies may be used to detect interleukin-8 receptor B expression in cells and tissues and for affinity purification of interleukin-8 receptor B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antibodies against interleukin or prevent inflammation, also for depurificn.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (LEEJ/) LEE J.
Chuntharapai A, H
WPI; 95-283151/37.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            affinity purification; detection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N-PSDB; Q99008.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (CHUN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                              from cells.
                                                                                                        241
                                                                                                                                                              186
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344
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                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                            Match
                                                                                                                                                                                                                                                                                                                            ω
                                                                                                                                                                                                                                                                                                                                                    SDNYT----EEMGSGDYDSM-----KEPCFREENANENKIFLPTIYSIIFLTGIVGN 56
                                                                                                                                                                                                                                                                                                 GLVILVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVIY 116
                                                                                                                                                                                                                                                                                                                            SDSFEDFWKGEDLSNYSYSSTLPPFLLDAAPC-EPESLEINKYFVVIIYALVFLLSLLGN
                                                                                                                                                                                                                                                                       SLYMLVILYSRYGRSYTDVYLLNLALADLLFALTLPIWAASKVNGWIFGTFLCKVVSLLK
                                                                                                                                                             TVYSSNVSPA-----CYEDMGNNTANWRMLLRILPQSFGFIVPLLIMLFCYGFTLRTLFK 240
                                                                                                                                                                                                                  EVNFYSGILLLACISVDRYLAIVHATRTLTQKRYLV-KFICLSIWGLSLLLALPVLLFRR
                                                                                                                                                                                                                                         TVNLYSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKVVYVGVWIPALLLTIPDFIF--
                                                                             ALAFFHCCLNFILYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTES----
                                                                                                         AHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQVIQETCERRNHIDRALDATE
                                                                                                                                  SKGHQKRKALKTTVILILAFFACWLPYYIGISIDSFILLEIIKQGCEFENTVHKWISITE
                                                                                                                                                                                     ---ANVSEADDRYICDRFYPNDL--WVVVFQFQHIMVGLILPGIVILSCYCIIISKLSH
SRPSFVGSSSGHTS
                                                      ILGILHSCLNPLIYAFIGQKFR---
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Treatment of inflammatory disorders - by administering an antibody capable of binding a platelet factor 4 superfamily receptor polypeptide

Disclosure; Page 54-56; 83pp; English.

2 PF4AR members were identified by probing lambda libraries from thuman monoclyte-like cell line HL-60 and human peripheral blood lymphocytes using a large fragment of IL-8 receptor DNA (full sequence given in Q80520) The nucleotide sequences of the 2 PF4ARs are given in Q80521 and Q80522, and their respective amino acid sequences in R68812 and R68813.

Sequence 1737 BP; 454 A; 411 C; 373 G; 499 T;
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Best Local Similarity
Matches 1737; Conserv
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22-DEC-1994.
07-JUN-1994; U06380.
11-JUN-1993; US-076093.
(GETH) GENENTECH INC.
Churtharapal A,__Hebert C,
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Human monocyte PF4AR cDNA.
Interleukin-8 receptor; IL-8 receptor; PF4AR;
Platelet factor superfamily receptor; monocyte; chemotactic;
inflammation; inflammatory disease; arthritis; emphysema; cy
fibrosis; colitis; bronchitis; meningitis; therapeutic; ss.
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WPI; 95-036114/05.
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Database

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Scoring table:

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                                                                                                                                                        Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 1737; Conservative (
                                                                                                                                                                                                                                                                                                         New antibodies against also for detecting or prevent inflammation, also for detecting purifice.

Purifice.

Example 2: Columns 47-50: 62pp; English.

Antibodies directed against the interleukin-8 receptor B can be to treat or prevent inflammation e.g. psoriasis, dermatitis, rheumatoid arthritis and particularly inflammatory bowel diseas rheumatoid arthritis and particularly inflammatory bowel diseas the manufacture of inflammation. When immobilised, these antibodies in cells
                                                                                                                                                                                                                    chronic lung inflammation. When immobilised, these antibodies may be used to detect interleukin-8 receptor B expression in cells and tissues and for affinity purification of interleukin-8 receptor B from cells. This sequence is an additional chemokine superfamily receptor which was identified by probing lamda libraries of genomic DNA from a human monocyte-like cell line (L-60) and human peripheral blood lymphocytes using a large fragment of the interleukin-8 type A receptor DNA (See Q99006).
                                                                                                                                                                                                                                                                                                                                                                                                                              Chuntherapal A, Hebert WPI; 95-283151/37. P-PSDB; R80757.
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29-MAR-1991; US-677211.
25-FEB-1994; US-202056.
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(HEBE/) HEBERT C.
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             AACTACACCGAGGAAATGGGCTCAGGGGACTATGACTCCATGAAGGAACCCCTGTTTCCGT
                                                GCCACCGCATCTGGAGAACCAGCGGTTACCATGGAGGGGATCAGTATATACACTTCAGAT
                                                              GCCACCGCATCTGGAGAACCAGCGGTTACCATGGAGGGGATCAGTATATACACTTCAGAT
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                                                                                               ry isolated human platelet factor 4 super-family receptor polypeptide and corresp. antibodies and DNA - useful as diagnostic and screening agents, and for treating inflammation or Pf4AR mediated disorders

Claim 7: Fig 4: 78pp; English.

The IL-8 receptor cDNA sequence was isolated (see Q29505) and a constant of the coding sequence was used as a probe to screen human cell line HL60 and human peripheral blood lymphocyte cDNA libraries. Two new gene sequences were found that are clearly related to the IL-8 receptor. One of these was contained in combined clone 8rr.20.15 and is predicted to encode an amino acid sequence which is 34% identical with both the high and low affinity IL-8 receptors. See also Q37107.

Sequence 1737 BP; 457 A; 412 C; 370 G; 498 T;
       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                            W09217497-A.
15-0CT-1992; U02317.
29-MAR-1992; US-677211.
19-DEC-1991; US-810782.
(GETH ) GENEWYECH INC.
HOLMES WE LEE J. WOOD WI;
WPI; 92-766191744.
P-PSDB; R27792.
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                                TGTTGGCTGCCTTACATTGGGATCAGCATCGACTCCTTCATCCTCCTGGAAATCATC
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ACCTCTGCCCAGCACGCACTCACCTCTGTGAGCAGAGGGTCCAGCCTCAAGATCCTCTCC
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GTCTCGTGGTAGGACTGTAGAAAAGGGAACTGAACATTCCAGAGCGTGTAGTGAATCACG
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EP-897980-A2.
24-FEB-1999.
07-AUG-1998;
24-JUL-1998;
20-AUG-1997;
                                                                                                                                                                CDNA encoding G-protein coupled receptor polypeptide designated CXCR4B.

G-protein coupled receptor; CXCR4B; human; splice variant;

chemokine receptor; CXCR4; vaccine; nent therapy; HIV-1; HIV-1;

cancer; pain; diabetes; obesity; anorexia; bulimia; asthma;

Parkinson's disease; acute heart failure; hypotension; hypertension;

urinary retention; osteoporosis; angina pectoris; myocardial infarction;

stroke; ulcer; allergy; benign prostatic hypertrophy; migraine;

vomiting; psychotic disorder; neurological disorder; anxiety;

schizophrenia; manic depression; delirium; dementia; mental retardation;

dyskinesias; Huntingtons disease; Gilles de la Tourette syndrome; ss.
                                                                                                                                                                                                                                                                                                                         X15882;
X15882;
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Key
CDS
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US-056601.
US-056601.
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splice
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SMITHKLINE BEECHAM

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CC designated CCRAB. which is a human splice variant of a chemokine creceptor CXCRAB. which is a human splice variant of a chemokine creceptor CXCRAB. which is a human splice variant of a chemokine creceptor CXCRAB. which is a human splice variant of a chemokine creceptor CXCRAB polypucleotides are useful for CXCRAB polypeptide in the CXCRAB gene or analysing for the presence or amount of CXCRAB polypeptide expressed in a patient. CXCRAB polypeptides and CXCRAB polypeptides are also useful for screening for antagonists and CXCRAB polypeptide imbalance. CXCRAB polypeptides can be administered directly CXCRAB polypeptide imbalance. CXCRAB polypeptides can be administered directly CXCRAB polypeptide imbalance. CXCRAB polypeptides can be administered directly CXCRAB polypeptides a vector (gene therapy) to prevent disease. CXCRAB polypeptides can be administered directly CXCRAB polypeptides are cancer; pain; diabetes; obesity; anorexia; bulimia; asthma; CXCRAB polypeptides applies infarction; CXCRAB polypeptides are useful infarction; CXCRAB polypeptides are useful for mapping genes CXCRAB polypeptides described through linkage
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Best Local Similarity
Matches 1579; Conserv
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The present sequence encodes a G-protein coupled receptor.
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a SK, Pillarisetti K;
99-134643/12.
                       CTGCTGACTATTCCCGACTTCATCTTTGCCAACGTCAGTGAGGCAGATGACAGATATATC
                                                                                       AGGCCAAGGAAGCTGTTGGCTGAAAAGGTGGTCTATGTTGGCGTCTGGATCCCTGCCCTC
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CTGCTGACTATTCCCGACTTCATCTTTGCCAACGTCAGTGAGGCAGATGACAGATATATC
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                                                                                                                                  CCATTCCCGTGGAACGTTTTTCCTGTTCTTAAGACGTGATTTTGCTGTAGAAGATGGCAC
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Example 11; Columns 89-94; 56pp; English.

C The present novel sequence represents the human RM3 cDNA isolated from a human macrophage cDNA library. The invention claims for the full length v28 genomic DNA sequence (v18343) isolated from a human proceeding the v28 (w48722) and RM3 proteins are seven cransmembrane (77M) receptors which are probably involved in signal transduction. The invention also claims that cells transformed with C v28 DNA can be used to produce the recombinant polypeptide, to produce anti-v28 antibodies or in screening assays for v28 agonists or canti-v28 antibodies or in screening assays for v28 agonists or cantagonists. The antibodies, agonists and antagonists could then be used to modulate v28 receptor-ligand binding, for e.g. in immunological cand/or inflammatory events in vivo.

So Sequence 1317 BP; 332 A; 342 C; 265 G; 378 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match
Best Local Similarity
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17-NOV-1992;
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25-SEP-1998
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Godiska R, Gray PW, Schweickart
WPI; 98-332132/29.
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AGGCCAAGGAAGCTGTTGGCTGAAAAGGTGGTCTATGTTGGCGTCTGGATCCCTGCCCTC
                                                                      ATCCTGGCCTTCATCAGTCTGGACCGCTACCTGGCCATCGTCCACGCCACCACCACAGTCAG
                                                                                                                                                                    AACTTCCTATGCAAGGCAGTCCATGTCATCTACACAGTCAACCTCTACAGCAGTGTCCTC
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/product= "Human
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Pred. No. 8.4e-199;
0; Mismatches 3;
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09-JUN-1994; U11153.
17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
GOdiska R, Gray PW, Sc
WPI; 94-200264/24.
P-PSDB; R53753.
DNA encoding seven trans:membrane prods. for use as therapeutic or dinvolving the receptors.

Example 11; Page 82-83; 100pp; Eng Two primers (Q66148, Q66149) were
                                                                                                                                                                                                                                                                                                                                                                                                                          Primer; seven tra
polymerase chain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Seven transmembrane receptor (RM3) coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q66179 standard;
Q66179;
Q7-FEB-1995 (fi)
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               ATCACCGAGGCCCTAGCTTTCTTCCACTGTTGTCTGAACCCCATCCTCTATGCTTTTCCTT
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                                                                                  CTCCTGGAAATCATCAAGCAAGGGTGTGAGTTTGAGAACACTGTGCACAAGTGGATTTCC
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13-AUG-1998.
07-FEB-1997; W0-J00299.
07-FEB-1997; W0-J00299.
(SHIO ) SHIONOGI & CO LTD.
IIZASA H, KISHIMOCO T, NAGASAWA T
YOSHIda N, YOSHIE O;
WPI; 98-44732/38.
P-PSDB; W64778.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nucleic acid encoding
Mouse; CXC chemokine r
CXC chemokine pre-B ce
HIV infection; screeni
Mus sp.
Locati
CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mouse CXC chemokine receptor binding to PBSF/SDF-1 pre-B cell stimulatory factor - is useful for screening of potential HIV infection and AIDS inhibitors
Claim 3; Pages 39-42; 76pp; Japanese.
The present sequence encodes a murine CXC chemokine receptor which binds to the mouse CXC chemokine pre-B cell stimulatory factor PBSF/SDF-1. The nucleic acid is isolated from mouse pre-B cell line DM34. The receptor and cells expressing it can be used in the study and mapping of the mechanism of HIV infection and in screening of potential inhibitors of HIV infection and the development of AIDS. sequence 1877 BP; 469 A; 451 C; 406 G; 551 T;
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20-NOV-1998
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se; CXC chemokine receptor; pre-B cell line DW34;
chemokine pre-B cell stimulatory factor PBSF/SDF-1;
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GAGTGTTGCCATGGAACCGATCAGTGTGAGTATATACACTTCTGATAACTACTCTGAAGA
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                                             TITCAATAAAATCTTCCTGCCCACCATCTACTCCATCATCTTCTTAACTGGCATTGTGGG
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                                                                                                                                                                                                                                                                                                                                                                                                             Score 974.4; DB 1;
Pred. No. 3.7e-172;
0; Mismatches 301;
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TTTATATAAATTTTTTTTTTTCATATTGATGTGTGTCTAGGCAGGACCTGTGGCC 13	GTTGGATTTTTGTCTTGTGTTTCTTTAGTTTTTGTGAAGTTTAATTGACTTA 1	TITTAAGTTACACATTITTCAGATATAAAAGACIGACCAATATIGTACAGTTTTTATTGC 12	-CACAGATGTAAAA GCAAAGACTTATAT	ACATTCATCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCA 1	AACCTCTGCCCAGCACGCACTCACCTCTGTGAGCAGAGGGTCCAGCCTCAAGATCCTCTC 10	AGCTTCTTCCACTGTTGTGTAACCCCATCCTCTATGCTTTCCTTGGAGCCAAATTTAA 10	CAAGCAAGGGTGTGAGTTTGAGAACACTGTGCACAAGTGGATTTCCATCACCGAGGCCCT 95	CTGTTGGCTGCCTTACTACATTGGGATCAGCATCGACTCCTTCATCCTCCTGGAAATCAT 89	GGGCCACCAGAAGGCGCAAGGCCCTCAAGACCACAGTCATCCTCATCCTGGCTTTCTTCGC 83	GCCTGGTATTGTCATCCTGTCCTGCTATTGCATATATCATCTCCAAGCTGTCACACTCCAA 77	TTGTGGGTGGTTGTGTTCCA	GCCAGGGGGACAT	GTCTATGTTGGCGTCTG	CACGCC	CTACACAGTCAACCTCTACAGCAGTGTCCTCATCCTGGCCTTCATCAGCAGTCTGGACCGCTA 49	AGTIGATGCCGTGGCAAACTGGTACTITGGGAACTTCCTATGCAAGGCAGTCCATGTCAT 43	GTACAGGCTGCACCTGTCAGTGGCCGACCTCCTCTTTGTCATCACGCTTCCCTTCTGGGC 37	CAATGGATTGGTCATCCTGGTCATGGGTTACCAGAAGAAACTGAGAAGCATGACGGACAA 31
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The present sequence encodes a partial G-protein coupled receptor C designated CXCR4B, which is a human splice variant of a chemokine C receptor CXCR4. CXCR4B polynucleotides and polypeptides are useful for C diagnosing susceptibility to diseases by detecting mutations or C polymorphisms in the CXCR4B gene or analysing for the presence or amount of CXCR4B polypeptide expressed in a patient. CXCR4B polypeptides and C polynucleotides are also useful for screening for antagonists and	New o protect toughted receptor (NACK+D) polyperbuse and polypucleotide, human splice variant of a chemokine receptor useful as diagnostic reagents and for prevention and treatment of HIV infection, cancer, stroke and dementia Claim 13; Page 18; 24pp; English.	Gupta SK, Pillarisetti K; WPI; 99-134643/12. P-PSDB; W97363.	24-UTL-1998; US-056601. 20-AUG-1997; US-056601. (SMIK) SMITHKLINE BEECHAM CORP.	EP-897980-A2. 24-FEB-1999. 07-AUG-1998; 306324.	schizophrenia; manic depression; delirium; dementia; mental retardation; dyskinesias; Huntingtons disease; Gilles de la Tourette syndrome; ss. Homo sapiens.		OB;	<pre>G-protein coupled receptor; CXCR4B; human; splice variant; chemokine receptor; CXCR4; vaccine; gene therapy; HIV-1; HIV-1;</pre>	12-MAY-1999 (first entry) cDNA encoding a partial CXCR4B protein.	X15883 standard; cDNA; 611 BP. X15883;	ILT 8	1850 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	684 алаалалалалалалалалалалалала 171	AAGTO	TACAGTCTTGTATTAAGTTGTTAATAAAAGTACATG	GIT	TCAGGAGTGGGTTGATTTCAGCACCTAC-AG		TTGCTGTAGAAGATGGCACTTATAACCAAAGCCCAAAGTGGT-ATAGAAATGCTG	TGATG	TTCTTAAGACG	1550 TAATCTCTTCATTCCGAGGAGCACCCCCACCCCCACCCCCACCCCCATTCTTAAAT 1609	AGATAATCTCTCCA	1490 ACATTCCAGAATGTGTGGTAAATTGAATAAAGCTAGCCGTGATCCTCAGCTGTTGCTGCA 1549	ATTCCAGAGCGTGTAGTGAATCACGTAAAAGCTAGAAATGATCCCCAGCTGTTTATGC		TAGTTGCTGTATGTCTCGTGGTAGGACTGTAGAAAAGGGAAC	1370 ATATAATATTGTTTTGTTTTGTTTCATGTGAATGAGCGTCTAGGCAGGACCTGTGGCC 1429

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Best Local Similarity
Matches 249; Conserv
Claim 1; Page 571-572; 2245pp; Japanese. A single-stranded DNA (or its complementary strand or the corresp. double-stranded DNA) which comprises one of the 7837 "GS" sequences given in T19001-T26837 and which is able to hybridise to part of human genomic DNA, cDNA or mRNA is claimed. The GS (Gene Signature) sequences were obtained from 3'-directed cDNA libraries prepared from various human tissues; synthesis of cDNA was initiated from the 3'-end of mRNA by using poly(T) as the sole primer. Since the 3'-untranslated sequence is unique to a particular mRNA species, almost
                                                                                                                                                                                                                                                                                                                                                                                     human; cloning; messenger RNA; mkNA; relative abundance; frequency cell typing; abnormal cell function; ss.

Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               agonists which can be used to treat conditions associated with CXCR4B polypeptide imbalance. CXCR4B polypeptides can be administered directly (as a vaccine) or via a vector (gene therapy) to prevent disease. Diseases diagnosed, prevented and treated include: HIV-1 and HIV-1 infections; cancer; pain; diabetes; obesity; anorexia; bulimia; asthma; Parkinson's disease; acute heart failure; hypotension; hypertension; urinary retention; osteoporosis; angina pectoris; myocardial infarction; stroke; ulcers; allergies; benign prostatic hypertrophy; migraine; vomiting; psychotic and neurological disorders, including anxiety, schizophrenia, manic depression, delirium, dementia and severe mental retardation; and dyskinesias, such as Huntingtons disease or Gilles de la Tourette syndrome. CXCR4B polypeptides are useful for mapping genes analysis
                                                                                                                                                                                        Identifying gene signatures in 3'-directed human cDNA library for diagnosis of abnormal cell function, by preparing cDNA that reflects relative abundance of corresp. mRNA in specific human
                                                                                                                                                                                                                                              Matsubara K, Okubo K; WPI; 95-206931/27.
                                                                                                                                                                                                                                                                                                                      01-JUN-1995.
11-NOV-1994; J01916.
12-NOV-1993; JP-355504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-JUL-1996 (first entry)
                                                                                                                                                                                                                                                                                   (OKUB/) OKUBO K.
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Pred. No.
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10-APR-1992; U02977.
10-APR-1991; US-685101.
09-JUL-1991; US-726606.
09-DEC-1991; US-803842.
                plaques were screened for those which hybridized to an antisense oligonucleotide (030015). This probe was designed based on the sequence derived from the second transmembrane domain of G-protein-coupled receptors. After tertiary screening, six plaques were isolated. The insert of one of these plaques, termed F3R was of 2.5 kb in size. This insert was sequenced. The protein deduced from the F3R clone demonstrates that it belongs to the family of G-protein-coupled receptors. The deduced protein sequence indicates seven putatuve transmembrane segments.
                                                                                                                                                                                      Recombinant mammalian interleukin-8 receptor - used for screening interleukin-8 binding antagonists, used to treat inflammation Disclosure; Fig 1; 71pp; English.
Rabbit high affinity IL-8 receptor gene was isolated from rabbit peritoneal neutrophils and used as a source of poly(A)+ RNA, to produce a rabbit neutrophil cDNA library. 250,000 recombinant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence encoding a high affinity recombinant rabbit inte (IL-8) receptor polypeptide in F3R.

IL-8 receptor polypeptide; G-protein-coupled receptor; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           all the 3'-oriented cDNAs hybridise with specific mRNAs. Each library is constructed so as to reflect accurately the relative abundance of different mRNAs in the particular tissue from which it was derived. The appearance frequency of a given GS in a cDNA library can be determined (esp. using primers and probes derived from the GS sequences) as a means of diagnosing abnormal cell function or for recognising different cell types.

Sequence 218 BP; 61 A; 38 C; 44 G; 75 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Oryctolagus cuniculus
Key Locat
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                                                                                                                                                                                                                                                                                                                           Navarro J, Thomas KM, Witt DP; WPI; 92-382123/46.
                                                                                                                                                                                                                                                                                                                                         (REPK ) REPLIGEN CORP. (UYBO-) UNIV BOSTON. Navarro J, Thomas KM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Q30011;
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putatuve transmembrane segments.
BP; 234 A; 366 C; 294 G
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a high affinity recombinant rabbit interleukin-8 olypeptide in F3R.
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Oryctolagus
Key
cds
                                          Recombinant high affinity interleukin-8 receptor subtype A encoding II-8B; receptor; monoclonal antibody; inflammatory disorder; anaphylaxis; systemic lupus erythematosus; rheumatoid arthritis; systemic necrotising vasculitis; psoriasis; asthma; allergy; ARDS; adult respiratory distress syndrome; neutrophil detection; ss.
                                                                                                                              Q99949;
24-APR-1996
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                                cuniculus
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             Location/Qualifiers
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); Mismatches 362;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -TATATCTGTGACCGCTTCTACCCCAATG
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pr useful for treating inflammatory disorders, for detecting
receptor proposed and for isolating IL-8 receptor from liq.mixt.

Claim 2; Fig lA-B; 74pp; English.

Monoclonal antibodies were raised against recombinant interleukin-8
(II-8) receptor subtypes A and B from both human and rabbit sources
(R80950-53 encoded by 09949-52). The A subtype receptor (II-8rA) is a
claim 4 finity receptor and the B subtype receptor (II-8rB) is a
claim 5 encoded by 09949-52). The A subtype receptor (II-8rB) is a
claim 6 finity receptor. The monoclonal antibody (mAb) pref. binds to
the II-8 binding domain thus blocking its activation. The mabs are
useful for treating inflammatory disorders (see key words) and for
detecting the presence of neutrophils in a biological sample. The
mabs are also useful in the isolation of II-8 receptors from a mixture.
SQ Sequence 1200 BP; 234 A; 366 C; 295 G; 303 T;
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Best Local S
Matches 456
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09-MAR-1995; U03032.
09-MAR-1994; US-210250.
15-MAR-1994; US-237937.
02-MAY-1994; US-237937.
(REPK) REPLICEN CORP.
(UYBO-) UNIV BOSTON.
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                                               TTGTCATCCTGTCCTGCTATTGCATTATCATCTCCAAGCTGTCACACTCCAAGGGCCACC
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Pred. No. 4.1e-30;
0; Mismatches 362;
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                                                                                                                                                                                                                                                   Monoclonal antibody against recombinant II-8 receptor polypeptide - y useful for treating inflammatory disorders, for detecting returned in the properties of the figure of solating II-8 receptor from liq.mixt.

PT neutrophil(s) and for isolating II-8 receptor from liq.mixt.

PS Claim 6; Fig 3A-B; 74pp; English.

Monoclonal antibodies were raised against recombinant interleukin-8 (II-8) receptor subtypes A and B from both human and rabbit sources (R80950-53 encoded by 099949-52). The A subtype receptor (II-8rA) is a clay affinity receptor and the B subtype receptor (II-8rB) is a clow affinity receptor. The monoclonal antibody (mAb) pref. binds to the II-8 binding domain thus blocking its activation. The mabs are useful for treating inflammatory disorders (see key words) and for detecting the presence of neutrophils in a biological sample. The mabs are also useful in the isolation of II-8 receptors from a mixture.

So Sequence 1373 BP: 266 A: 437 C; 329 G; 335 T;
                                                                                                                                                                         Query Match
Best Local S
Matches 467
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21-SEP-1995
09-MAR-1995; U03032.
15-MAR-1994; US-210250.
02-MAY-1994; US-237937.
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Recombinant high affinity interleukin-8 receptor subtype B encoding I1-8A; IL-8B; receptor; monoclonal antibody; inflammatory disorder; anaphylaxis; systemic lupus erythematosus; rheumatoid arthritis; systemic necrotising vasculitis; psoriasis; asthma; allergy; ARDS;
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24-APR-1996
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Key Locati
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                                                                                                                                                                                          Local Similarity
CTGAGAAGCATGACGGACAAGTACAGGCTGCACCTGTCAGTGGCCGACCTCCTTTTGTC
                                                                                                                                        TTCCGTGAAGAAAATGCTAATTTCAATAAAATCTTCCTGCCCACCATCTACTCCATCATC 234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  95-336945/43.
                                               TTCCTGCTGAGCCTGCTGGGCAACTCCCTGGTGATGCTGGTCATCCTGTACAGCCGGAGC
                                                                             TTCTTAACTGGCATTGTGGGCAATGGATTGGTCATCCTGGTCATGGGTTACCAGAAGAAA
                                                                                                           TGCCGGTCAGAATCTCTGGAAACCAACAGCTATGTTGTGCTCATCACCTATATCCTGGTC
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No. 4.6e-29;
Ismatches 373;
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23-MAR-1992; U02317.
29-MAR-1991; US-677211.
19-DEC-1991; US-810782.
(GETH ) GENENTECH INC.
Holmes WE, Lee J, Wood WPI: 92-366191/44.
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12-MAR-1993
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Query Match
Best Local
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A cDNA library constructed from human neutrophil mRNA in the mammali expression vector pRK5B was transfected into COS-7 cells as pools of 2500 clones. One positive pool from the first 58 transfections was partitioned into smaller pools until a pure clone (pRK5B.il8r1.1) was obtained. The ORF encodes a protein of 350 amino acids which shares several features with the G-protein coupled receptors of the rhodopsin superfamily, including 7 hydrophobic (transmembrane) domains. See also 029506 and 037107.
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                                                                                     AATCATCAAGCAAGGGTGTGAGTTTGAGAACACTGTGCACAAGTGGATTTCCATCACCGA
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GGCCCTAGCTTTCTTCCACTGTTGTCTGAACCCCATCCTATGCTTTCCTTGGAGCCAA
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Pred. No. 3.2e-28;
D; Mismatches 377
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Best Local (
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A CDNA library constructed from human neutrophil mRNA in pRK5B was transfected into COS-7 cells, and the cells were screened with 1251 II-8. The DNA sequence of isolated cDNA clone pRK5B.il8r1.1, encoding human II-8 receptor, is given in 080520 and the predicted amino acid sequence in R68811. The receptor is used to raise antibodies that neutralize the activity of pF4AR, e.g. IL-8 recepto Sequence 1933 BP; 422 A; 540 C; 485 G; 486 T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22-DEC-1994.
07-JUN-1994;
11-JUN-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Interleukin-8 receptor; IL-8 receptor; PF4AR; Interleukin-8 receptor; IL-8 receptor; neutrophil; chemotactic; platelet factor superfamily receptor; neutrophil; chemotactic; platelet factor superfamily receptor; arthritis; emphysema; cyst
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WPI; 95-036114/05.
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Key
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11-JUN-1993; US-076093.
(GETH ) GENENTECH INC.
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TGTGGACCGTTACCTGGCCATTGTCCATGCCACACGCACACTGACCCAGAAGCGTCACTT
                                                                    TCTGGACCGCTACCTGGCCATCGTCCACGCCACCAACAGTCAGAGGCCCAAGGAAGCTGTT
                                                                                              GGTCTCACTCCTGAAGGAAGTCAACTTCTACAGTGGCATCCTGCTGTTGGCCTGCATCAG
                                                                                                                 AGTCCATGTCATCTACACAGTCAACCTCTACAGCAGTGTCCTCATCCTGGCCTTCATCAG
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Pred. No. 3.2e-28;
0; Mismatches 377;
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                                                                                                                                                                  (KIMK) KIM K J.

(LEEJ/) LEE J.

Chuntharapai A, Hebert C, Kim KJ, Lee J;

WPI: 95-283151/37.

P-PSDB: R80756.

New antibodies against interleukin 8 type B re
or prevent inflammation, also for detecting re
purificn.

Example 2: Columns 43-46; 62pp; English.
                                                                                                                                                                                                                                                                                           08-AUG-1995.
29-MAR-1991; US-677211.
29-MAR-1991; US-677211.
25-FEB-1994; US-202056.
(CHUN/) CHUNTHARAPAI A.
(HEBE/) HEBERT C.
(KIMK/) KIM K J.
type B re
                         Example 2; Columns 43-46; 62pp; English.
Antibodies directed against the interleukin-8 receptor B can be u
to treat or prevent inflammation e.g. psoriasis, dermatitis,
rheumatoid arthritis and particularly inflammatory bowel disease
chronic lung inflammation. When immobilised, these antibodies ma
be used to detect interleukin-8 receptor B expression in cells and
tissues and for affinity purification of interleukin-8 receptor B
from cells. A sequence obtained from this CDNA insert, which
encodes the high affinity interleukin-8 receptor, was used to
probe lambda gt10 cDNA libraries for the human interleukin-8
                                                                                                                                                                                                                                                                                                                                                                                                                                    chronic lung inflammation; treatment; antibody affinity purification; detection; ss.
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rheumatoid arthritis; inflammatory bowel disease;
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Interleukin 8 receptor A c
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Phone:
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1 (bases 1 to 1664)

Nomura,H., Nielsen,B.W. and Matsushima,K.

Molecular cloning of cDNAs encoding a LD7

leukocyte chemotactic peptide receptors

Int. Immunol. 5 (10), 1239-1249 (1993)
                                                                                                                        Cancer Res. Inst.,
13-1 Takaramachi
                                                                                                                                               Hideki Nomura
Dept. of Pharmacol.
                                                                                                                                                                                                                                                                                   Homo sapiens monocyte, Homo sapiens
                                                                                                                                                                                                                                                                                              GTP-binding protein; plasma membrane protein; Homo sapiens monocyte, cDNA to mRNA.
                                                                                                           Kanazawa,
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0762-60-7704
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VERSION

G28514 1664 bp human STS SHGC-31461, G28514 G1408329 G28514.1 GI:1408329 STS; STS sequence; pri

sequence

tagged

SITS

01-JUL-1996

KEYWORDS

sequence; primer; sequence tagged site

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. 1561	2 AAGACGTGATTTTGCTGTAGAAGATGGCACTTATAACCAAAGCCCAAAGTGGTATAGAAA	150	덩
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1321		126	Db
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1141		108	дЬ
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: 1021	72 TGTCTGAACCCCATCCTCTATGCTTTCCTTGGAGCCAAATTTAAAACCTCTGCCCAGCAC	96	Дb
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795	6 CTGTCCTGCTATTGCATTATCATCTCCAAGCTGTCACACTCCAAGGGCCACCAGAAGGG	73	Qy

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                                                                              GAACCAGCGGTTACCATGGAGGGGATCAGTATATACACTTCAGATAACTACACCGAGGAA
         TTCAATAAAATCTTCCTGCCCACCATCTACTCCATCATCTTTTTAACTGGCATTGTGGGC
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-- Washington University/Merck EST sequence.
Location/Qualifiers
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Primer B: CGTGATTAACTACACGCTCTGG
STS size: 207
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Stanford University School of Medicine
Department of Genetics, M-344, Stanford,
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Best Local Similarity Matches 1642; Conserv
              TGTGCACAAGTGGATTTCCATCACCGAGGCCCTAGCTTTCTTCCACTGTTGTCTGAACCC
                                                                                                                     GACCACAGTCATCCTGGCTTTCTTCGCCTGTTGGCTGCCTTACTACATTGGGAT
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L06797.1 GI:414929
G protein-coupled receptor; neuropeptide receptor.
Human adult lung cDNA to mRNA.
                                                                                                    Eukaryota: Metazoa: Chordata: Craniata: Vertebrata: Ma
Eutheria: Primates: Catarrhini: Hominidae: Homo.
1 (bases 1 to 1670)
Herzog,H., Hort,Y.J., Shine,J. and Selbie,L.A.
Molecular cloning, characterization, and localization
                                                                      and activation DNA Cell Biol. 12, 465-471 (1993)
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                                           , 1993 this sequence version Location/Qualifiers
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         /dev_stage="adult"
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TATTGCATTATCATCTCCAAGCTGTCACACTCCAAGGGCCACCAGAAGCGCAAGGCCCTC
                                      GGCGTCTGGATCCCTGCCCCTGCTGACTATTCCCGACTTCATCTTTGCCAACGTCAGT
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ENTVHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKR
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Institute of Research, 13 Taft Court,
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Wegner, S.A., Ehrenberg, P.
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WIPALLLTIPDFIFANVSEADDRYICDRFYFNDLWVVFQFQFHLMVGLTLPGTVILSC
YCIISKLSHSKGHOKRALKTTVLLLLAFFACMLPYYIGISIDSFILLEIIKOGCER
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/product="chemokine receptor"
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2632. .2735
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1 (bases 1 to 1637)
Federsppiel, B., Melhado, I.G., Duncan, A.M., Delaney, A., Schappert, K., Clark-Lewis, I. and Jirik, F.R.
Molecular cloning of the cDNA and chromosomal localization of the gene for a putative seven-transmembrane segment (7-TMS) receptor isolated from human spleen
Genomics 16, 707-712 (1993)
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YCIIISKLSHSKGHOKRRALKTTVILLILAFFAGWLPYYIGISIDSFILLEIIKOGCEF
ENTVHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKR
GGHSSVSTESESSSFHSS"

481 t
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/protein_id="AAA16617.1"
/db_xref="PID:9292517"
/db_xref="GI:292517"
                                                                                                                                                                                                                                                                                                          putative"
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/map="2q21"
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Pred. No. 2e-172;
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Submitted (03-SEP-1997)
Toxicology, Albert-Einst
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Albert-Einstein-Allee
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YFGNFLCKAVHVIYTVNLYSSVLILAFISLDRYLAIVHATNSQRPKKLLAEKVVYVGV
WIPALLLTIÞDFIFANVSEADDRYICDRFYPNDLWVVFQFQHLHJAGLILÞGIVILSC
YCIIISKLSHSKGHQKKALKTTVLILILAFFACWLPYVIGISIDSFILLEIKQGCEF
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               CGTGGCAAACTGGTACTTTGGGAACTTCCTATGCAAGGCAGTCCATGTCATCTACACAGT
                                                                                 GCACCTGTCAGTGGCCGACCTCCTTTGTCATCACCGCTTCCCTTCTGGGCAGTTGATGC
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arch. Virol. 144, 273-285 (1999)
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/translation="MOGFRIYOSDNYTEDDLGSGDVDSMKEPCFREENAHFNRIFLPT
/VSIIFLTGUGGLYLILVMGYOKKLRSMTDKYRLHLSVADLLFVLTLPFWAVDAVAN
WYFGKFLCKAVWVIYTVNLYSSVLILAFISCHRYVGOROPRIKLLAEKVVYVG
WIPALLLTIPDFIFANVREADGRYICDFYPSDSWLVVFQFQHIMVGLILFGIVILG
CYCIIISKLSHSKGYOKKKALKTIVILILAFFAKWLFYIGISDSFILLEIKGGCE
CYCIIISKLSHSKGYOKKKALKTIVILILAFFAKWLFYIGISDSFILLEIKGGCE
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RGGHSSVSTESESSSFHSS"
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70. .1131
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/cell_type-"peripheral blood mod/dev_stage-"adult"
70. 1131
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/db_xref="taxon:9685"
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                                       GCTGTTTATGCATAGATAATCTCTCCATTCCCGTGGAAC-----GTTTTTCCTGTTCTTA 1516
                                                                                     AAAGGGAACTGAACATTCCAGAGCGTGTAGTGAATCACGTAAAGCTAGAAATGATCCCCA 1461
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Eutheria; Primates; Catarrhini; rown...

1 (bases 1 to 1225)

Jazin,E.E., Yoo,H., Blomqvist,A.G., Yee,F., Weng,G., Walker, Pagion,J., Larhammar,D. and Wahlestedt,C.

A proposed bovine neuropeptide Y (NPY) receptor cDNA clone, human homologue, confers neither NPY binding sites nor NPY responsiveness on transfected cells

responsiveness on transfected cells

responsiveness on transfected cells

responsiveness on transfected cells
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homologous region; neuropeptide Y
Homo sapiens (library: Stratagene
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YSIIFLTGIVGNGLVILVMGYOKKLRSMTDKYRLHLSVADLLEVITLDFWAVDAVANW
YFGNFELCKAVHYITYTVNLYSSYLILAFISLDRYLAIVHATNSORPRKLLAEKVDYVYGV
WIPALLLTIPDFIFANVESADDRYICDRFYPNDLMVVVFQFQHIMVGLILLPGIVILSC
YCIIISKLSHSKGHQKKKALKTTVILLIAFFACWLPYYIGISIDSFILLEIIKQGCEF
ENTVHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/db_xref="taxon:9606"
26. .1084
                                                                                                                                                                                                     GGHSSVSTESESSSFHSS"
324 c 259 g
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/protein_id="AAA16594.1
/db_xref="PID:g189314"
/db_xref="GI:189314"
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26. .1084
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Paul-Ehrlich-Str.51-59,
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Holtkamp, N., Baier, M. and
Direct Submission
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1. .1126
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Langen 63225, Germany
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	TGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCACTCCAGCTAA 1126	1084	Db
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1083	CGT -	1024	д
1106	GTGAGCAGAGGGTCCAGCCTCAAGATCCTCTCCAAAGGGAAAGCGAGGTG	1047	Qy
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963	TGTGCACAAGTGGATTTCCATCACCGAGGCCCTAGCTTTTTTCCACTGTTGTCTGAACCC	904	Db
986	GTGCACAAGTGGATTTCCATCACCGAGGCCCTAGCTTTCTTCCACTGTTGTCTGAA	927	QΥ
903	CAGCATCGACTCCTTCATCCTCGGAAATCATCAAGCAAGGGTGTGAGTTTGAGAACAC	844	Db
926	CAGCATCGACTCCTTCATCCTCCTGGAAATCATCAAGCAAG	867	Qу
843	GACCACGGTCATCCTCATCCTGGCTTTCTTCGCCTGGCTGG	784	Db
866	CACAGTCATCCTCATCCTGGCTTTCTTCGCCTGTTGGCTGCCTTACTACATTGG	807	Qy
783	TTGCATTATCATCTCCAAGCTGTCACACTCCAAGGGCCAGCAGAAGGGCCAGAAGGCCCTCAA	724	Db
806	TTGCATTATCATCTCCAAGCTGTCACACTCCAAGGGCCCACCAGAAGCGCCAAGGCCCTCAA	747	Qy
723	CAGTTTCAGCACATCATGGTTGGCCTTATCCTGCCTGGTATTGTCATCCTGTCCTGCTA	664	ДĎ
746	CAGTITCAGCACATCATGGTTGGCCTTATCCTGCCTGGTATTGTCATCCTGTCC	687	Qy
663	GGCAGATGACAGATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGTGG	604	Дb
686	GCAGATGACAGATATATCTGTGACCGCTTCTACCCCAATGACTTGTGGGGTGGTTGTGT	627	Qy
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626	GATCCCTGCCTCCTGCTGACTATTCCCCGACTTCATCTTTGCCAACGTCAGTG	567	Qy
543	CACGCCACCAACAGTCAGAAGCCAAGGAAGCTGTTGGCTGAAAAAGGTGGTCTATGTTGG	484	В
566	CACGCCACCAACAGTCAGAGGCCAAGGAAGCTGTTGGCTGAAAAGGTGGTCTATGTTG	507	Qy
483	CCTCTACAGCAGTGTCCTCATCCTGGCCTTCATCAGTCTGGACCGCTACCTGGCCATTGT	424	DЪ
506	ACAGCAGTGTCCTCATCCTGGCCTTCATCAGTCTGGACCGCTACCTGGCCATC	447	Qy
423	GGCAAACTGGTACTTTGGGAACTTCCTGTGCAAGGCAGTCCATGTCATCTACACAGTCAA	364	DЬ
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363	CCTGTCAGTGGCTGACCTCCTCTTTGTCATCACGCTTCCCCTTCTGGGCAGTTGATGCCGT	304	Dβ
386	ICAGTGGCCGACCTCTTTGTCATCACGCTTCCCTTCTGGGCAGTTGATGCC	327	Qy
303	CATCTTGGTCATGGGTTACCAGAAGAAACTGAGAGCATGACGGACAAGTACAGGCTGCA	244	Db
326	CATCCTGGTCATGGGTTACCAGAAGAAACTGAGAAGCATGACGGACAAGTACAGGCTGCA	267	Qy

Search completed: September 14, 1999, 10:07:38 Job time: 915 sec

Scoring table: Sequence: Title: Perfect score:

IDENTITY_NUC

176461 seqs, 45838279 residues

Issued_Patents_NA: *

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GenCore version Copyright (c) 1993 - 1998

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d. No. is the number of results predicted by chance to have a
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is derived by analysis of the total score distribution.
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MEDIUM TYPE: 5.25 inch, 360 Kb flopp)
COMPUTER: IBM PC compatible
COMPUTER: Patin (Generatech)
CURRENT APPLICATION DATA:
APPLICATION UMMBER: US/08/202,056
FILING DATE: 25-FB-1994
CLASSIFICATION UMMBER: 07/677211
FILING DATE: 29-MAR-1991
FILING DATE: 29-MAR-1991
FILING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHART 34,659
REFERENCE/DOCKET NUMBER: 706P3
FELECOMMUNICATION INFORMATION
TELECOMMUNICATION INFORMATION
TELECPHONE: 415/925-5530
TELEFAX: 415/952-9881
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INFORMATION FOR SEQ ID NO: 4:
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US-08-202-056-4
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CORRESPONDENCE ADDRESS:
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40
41
42
43
45
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LENGTH: 1737 bases
TYPE: nucleic acid
STRANDEDNESS: single
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Result

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Query Match

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554321

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    Application US/08076093A
    5543503

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US-08-076-093A-3

VS-08-076-093A-3

Patent No. 5543503

GENERAL INFORMATION:

APPLICANT: Chuntharapai, Anan
APPLICANT: Hebert, Caroline
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kim, K.

ITILE OF INVENTION: Antibodies to Human PF4A Receptors
NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.49 Mb floppy disk
COMPUTER READABLE FORM:
APPLICATION NUMBER: US/08/076,093A
FILING DATE: 11-Jun-193
CLASSIFICATION S30
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B
REGISTRATION NUMBER: 706P2
TELECOMMUNICATION INFORMATION:
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TELEFAX: 415/52-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1737 nucleotides
TYPE: Nucleic Acid
STRANDENNESS: Single
TOPOLOGY: Linear
US-08-076-093A-3
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Best Local Similarity
Matches 1737; Conserv
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RESULT 3 US-08-701-265-3; Sequence 3, Application US/08701265; Sequence 3, Transfer US/08701265

Sequence 3, Application US/0870126
Patent No. 5776457
GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Lee, James
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kim, K.
TITLE OF INVENTION: Antibodies
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:

ADDRESSEE:

Genentech,

Antibodies

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NAME: LOVE, RICHARD B
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 706F;
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-530
TELEPHONE: 415/952-9881
TELEFAX: 415/952-9881
INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 1737; Conserv
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FILING DATE: 19-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIOM TYPE: 3.5 inch, 1.44 Mb floppy
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winfatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 1737 nucleotides
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/0
FILING DATE: 11-Jun-1993
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TYPE: Nucleic Acid
STRANDEDNESS: Single
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FILING DATE: 22-AUG-1996
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 GCAGTCCATGTCATCTACACAGTCAACACTCTACAGCAGTGTCCTCATCCTGGCCTTCATC
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Pred. No. 0;
0; Mismatches
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GTTTTTCCTGTTCTTAAGACGTGATTTTGCTGTAGAAGATGGCACTTATAACCAAAGCCC 1560
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1380	TTTGTTTCATATTGATGTGTGTCTAGGCAGGACCTGTGGCCAAGTTCTTAGTTGCTGTAT	1321	νQ
1320	TTTTGTCTTGTGTTTTTTTTTTTGTGAAGTTTAATTGACTTATTTAT	1261	ДЬ
1320	TTTGTCTTGTGTTTTTTTTTTTTTTTTTTTTTTTTTTTT	1261	Qy
1260	ACATTTTTCAGATATAAAAGACTGACCAATATTGTACAGTTTTTATTGCTTGGTT	1201	Дb
1260	CAGATATAAAAGACTGACCAATATTGTACAGTTTTTATTGCTTGTTGGAT	1201	Qy
1200	TCCAGCTAACACAGATGTAAAAGACTTTTTTTATACGATAAATAA	1141	Дb
1200	CCAGCTAACACAGATGTAAAAGACTTTTTTTTATACGATAAATAA	1141	Qy
1140	AAAGGAAAGCGAGGTGGACATTCATCTGTTTCCACTGAGTCTGAGGTCTTCAAGTTTTCAC	1081	Дb
1140	AGGTGGACATTCATCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCAC	1081	Qy
1080	ACCTCTGCCCAGCACGCACTCACCTCTGTGAGCAGAGGGTCCAGCCTCAAGATCCTCTCC	1021	Дb
1080	ICICC	1021	Qy
1020	GCTTTCTTCCACTGTTGTCTGAACCCCCATCCTCTATGCTTTCCTTGGAGCCAAATTTAAA	961	Дb
1020	CTTTCTTCCACTGTTGTCTGAACCCCATCCTCTATGCTTTCCTTGGAGCCAAATTTAAA	961	Qy
960	AGCAAGGGTGTGAGTTTGAGAACACTGTGCACAAGTGGATTTCCATCACCGAGGCCCTA	901	DЪ
960		901	Qy
900		841	Db
900	GTTGGCTGCCTTACTACATTGGGATCAGCATCGACTCCTTCATCCTCCTGGAAATCATC	841	Qy
840	GCCCACCAGAAGCCCAAGGCCCTCAAGACCACAGTCATCCTCATCCTGGCTTTCTTCGCC	781	Дb
840	GCCACCAGAAGGCCCAAGGCCCTCAAGACCACAGTCATCCTCATCCTGGCTTTTCTTCGCC	781	Qy
780	CCTGGTATTGTCATCCTGCTCTGCTATTGCATTATCATCTCCAAGCTGTCACACTCCAAG	721	Дb
780	CTGGTATTGTCATCCTGTCCTGCTATTGCATTATCATCTCCAAGCTGTCACACTCCAAG	721	Qy
720	CCCAATGACTTGTGGGTGGTTTCCAGTTTCAGCACATCATGGTTTGGCCTTATCCTG	661	Db
720	CCAATGACTTGTGGGTGGTTGTGTTTCCAGTTTCAGCACATCATGGTTGGCCTTATCCTG	661	Qy
660	GACTTCATCTTTGCCAACGTCAGTGAGGCAGATGACAGATATATCTGTGACCGCTTCTAC	601	DЪ
660	ACTTCATCTTTGCCAACGTCAGTGAGGCAGATGACAGATATATCTGTGACCGCTTCTAC	601	Qy
600	TIGGCTGAAAAGGTGGTCTATGTTGGCGTCTGGATCCCTGCCCTCCTGCTGACTATTCCC	541	Db
600	TGGCTGAAAAGGTGGTCTATGTTGGCGTCTGGATCCCTGCCTCCTGCTGACTATTCCC	541	Qy
540	AGTCTGGACCGCTACCTGGCCATCGTCCACGCCACCAACAGTCAGAGGCCAAGGAAGCTG	481	Дb
540	CTGGACCGCTACCTGGCCATCGTCCACGCCACCAACAGTCAGAGGCCAAGGAAGCTG	481	Qy
480	GCAGTCCATGTCATCTACACAGTCAACCTCTACAGCAGTGTCCTCATCCTGGCCTTCATC	421	DЬ

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INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1737 nucleotides
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
US-08-284-586-3
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US-08-284-586-3
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Best Local Similarity
Matches 1737; Conserv
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER RÉADABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/284,586
FILING DATE:
CLASSIFICATION: 424
                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/076,0
FILING DATE: 11-Jun-1993
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION UMBER: 07/677211
FILING DATE: 29-MAR-1991
AFTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD BREGISTRATION NUMBER: 34,659
REGISTRATION NUMBER: 706P2
TELEPHONE: 415/225-5530
TELEPHONE: 415/225-9881
TELEPAX: 415/273-75-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Jin Kim, K.
TITLE OF INVENTION: Antibodies to
NUMBER OF SEQUENCES: ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blv
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
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GAATTCCAGTGTGCTGGCGGCGCGCGCGCAAAGTGACGCCGAGGGCCTGAGTGCTCCAGTA 60
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          AAAGGAAAGCGAGGTGGACATTCATCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTTCAC
                       AAAGGAAAGCGAGGTGGACATTCATCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCAC
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1080 1080 1020

960 960 900 900

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720 660 660 600 600 540 540 480

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GCCACCGCATCTGGAGAAACCAGCGGTTACCATGGAGGGGATCAGTATATACACTTCAGAT ACTGGCATTGTGGGCAATGGATTGGTCATCCTGGTCATGGGTTACCAGAAGAACTGAGA GAAGAAAATGCTAATTTCAATAAAATCTTCCTGCCCACCATCTACTCCATCATCTTA GAAGAAAATGCTAATTTCAATAAAATCTTCCTGCCCACCATCTACTCCATCTTCTTA 240 AACTACACCGAGGAAATGGGCTCAGGGGACTATGACTCCATGAAGGAACCCTGTTTCCGT AACTACACCGAGGAAATGGGCTCAGGGGACTATGACTCCATGAAGGAACCCTGTTTTCCGT ACTGGCATTGTGGGCAATGGATTGGTCATCCTGGTCATGGGTTACCAGAAGAAACTGAGA 180 180 120 360 300 300 240 120

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                                                                                                                                                                                                                                                                                                                                                           Sequence 3, Application Patent No. 5874543 GENERAL INFORMATION:
                                                                                                   STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb flc
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Windpatin (Genentech)
CURRENT APPLICATION DATA:
                      APPLICATION NUMBER: US/08/805.4
FILING DATE: 25-Feb-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/284586
FILING DATE: 10-AUG-1994
                                                                                                                                                                                                                                                                                           APPLICANT: Chuntharapa:
APPLICANT: Lee, James
APPLICANT: Rebert, Carc
APPLICANT: Jin Kim, K.
TITLE OF INVENTION: AN
                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
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PRIOR APPLICATION DATA: APPLICATION NUMBER:
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TYPE: 3.5 inch, 1.44 Mb floppy disk
                                                                                                                                                                                                                                                                                                                                                                                       Application US/08805478
                                                                                                                                                                                                                                                                                                                                               Chuntharapai, Anan
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                                                                                           US/08/805,478
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; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
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TELEPHONE: 415/225-5530
TELEFAX: 415/952-9881
TELEFAX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1737 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 1737; Conserv
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APPLICATION NUMBER: 07/810782
EILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P070
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RESULT 6
PCT-US94-06380-2
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Application

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REFERENCE/DOCKET NUMBER: 706P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/252-5530
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1737 bases
TYPE: nucleic acid
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Best Local Similarity
Matches 1737; Conserv
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MEDIUM TYPE: 5.25 inch, 360 Kl
COMPUTER: IEM PC compatible
COMPUTER: IEM PC -DOS/MS-DV
OPERATING SYSTEM: PC-DOS/MS-DV
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
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ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
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APPLICATION NUMBER:
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STREET: 460 Point San Bruno
CITY: South San Francisco
STATE: California
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CLASSIFICATION:
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                                                                       GTCTCGTGGTAGGACTGTAGAAAAGGGAACTGAACATTCCAGAGCGTGTAGTGAATCACG
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Query Match
Best Local Similarity
Matches 1131; Conserv

Conservative

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64.4%; 99.6%;

Score 1118.2; Pred. No. 1.5 Mismatches

.5e-224; DB 3;

Indels Length

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; NAME/KEY:
; LOCATION:
US-08-153-848-45
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US-08-153-848-45
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                                                                           REFERENCE/DOCKET NUMBER: 3179
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEY. 25-3856
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 1317 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 45, Patent No. 5
                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/977,45

PILING DATE: 17-NOV-1992

ATTORNEY/AGENT INFORMATION:

NAME: No. 5759804and, Greta E.

REGISTRATION NUMBER: 35,302

REGISTRATION NUMBER: 3704
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Schweikart, Vicki L.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: No. 5759804el Seven Transmembrane
NUMBER OF SEQUENCES: 64
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                                                                 MOLECULE TYPE:
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                                                FEATURE:
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STREET: 6300 St
CITY: Chicago
STATE: Illinois
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GTTTTTCCTGTTCTTAAGACGTGATTTTGCTGTAGAAGATGGCACTTATAACCAAAGCCC 1560
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PCT-US93-11153-45
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Best Local Similarity
Matches 1131; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 31
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 45:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0:
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
AUTHOR WALLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1250
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                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 1317 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 6. CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                      FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION:
351
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ADDRESSEE:
STREET: 630
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Chicago
STATE: Illinois
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                ATATACACTTCAGATAACTACACCGAGGAAATGGGCTCAGGGGACTATGACTCCATGAAG 165
             CAGAAGAAACTGAGAAGCATGACGGACAAGTACAGGCTGCACCTGTCAGTGGCCGACCTC
                                                                                                         CAGAAGAAACTGAGAAGCATGACGGACAAGTACAGGCTGCACCTGTCAGTGGCCGACCTC
                                                  GAACCCTGTTTCCGTGAAGAAAATGCTAATTTCAATAAAATCTTCCTGCCCACCATCTAC 225
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99.68;
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                                                                                                                                                                                                                   Score 1118.2; DB 5;
Pred. No. 1.5e-224;
Pred. No. 1.5e-3;
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Sequence 1, Application GENERAL INFORMATION:
                      APPLICANT: Repligen Corporation
APPLICANT: the Trustees of Boston University
TITLE OF INVENTION: ANTIBODIES TO INTERLEUKIN-8
TITLE OF INVENTION: METHODS OF USE
NUMBER OF SEQUENCES: 9
              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTGTCACACTCCAAGGGCCACCAGAAGGCGCAAGGCCCTCAAGACCACAGTCATCCTCATC
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Fish & Richardson
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                                                      RECEPTORS
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Best Local S
Matches 456
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SEQUENCE CHARACTERISTICS:
LENGTH: 1200
TYPE: nucleic acid
STRANDEDNESS: Single
TOPOLOGY: lines
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 555X
OPERATING SYSTEM: IBM P.C. DOS (Version 3.
SOFTWARE: WordPerfect (Version 5.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03032
FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 02-MAY-94
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/210,250
FILING DATE: 15-MAR-94
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/803,842
FILING DATE: 09-DEC-91
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/726,606
FILING DATE: 09-JUL-91
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/685,101
PRIOR APPLICATION NUMBER: 07/685,101
APPLICATION NUMBER: 07/685,101
ATTORNEY/AGENT INFORMATION:
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CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
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les 456; Conservative
                                                                                                                                                                                                                                                                                            TCAATAAAATCTTCCTGCCCACCATCTACTCCATCATCTTCTTAACTGGCATTGTGGGCA 256
                                                                                                                                                                  ACAGGCTGCACCTGTCAGTGGCCGACCTCCTTTGTCATCACGCTTCCCTTCTGGGCAG
                                                                                                                                                                                                                                                                              TTAACAAATATGTTGTGGTCGTCATCTATGCCCTGGTCTTCCTGCTGAGCCTGCTGGGCA 291
  TGGCCATTGTCCATGCTACTCGCACACTGACCCAGAAGCGCCACTTG--
                              TGGCCATCGTCCACGCCACCAACAGTCAGAGGCCCAAGGAAGCTGTTGGCTGAAAAGGTGG
                                                                                                           TCTCCAAGGAAAAAGGCTGGATTTTCGGCACGCCCCTGTGCAAGGTGGTCTCGCTTGTGA 471
                                                                                                                                       TTGATGCCGTGGCAAACTGGTACTTTGGGAACTTCCTATGCAAGGCAGTCCATGTCATCT
                                                                                                                                                                                                                          ACTCCCTGGTGATGCTGGTCATACTGTACAGCCGGAGCAACCGTTCGGTCACCGACGTCT
                                                                                                                                                                                                                                       ATGGATTGGTCATCCTGGTCATGGGTTACCAGAAGAAACTGAGGAGAAGCATGACGGACAAGT 316
                                                        ACACAGTCAACCTCTACAGCAGTGTCCTCATCCTGGCCTTCATCAGTCTGGACCGCTACC
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54.9%;
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RESULT 10
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TELEFAX: (61/) ---
TELEX: 200154
INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
FENGTH: 1373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6, Application PC/TUS9202977 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: IBM P.C. DOS (Version
SOFTWARE: WordPerfect (Version 5.0)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                      REFERENCE/DOCKET NUMBER: 00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEPEAX: (617) 542-8906
                                                                                                                                                               APPLICATION NUMBER: 07/685,101 FILING DATE: April 10, 1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1009
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
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                                                                                                                                NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
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CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                               CITY: Boston
STATE: Massa
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INTERLEUKIN-8 RECEPTORS
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; STRANDEDNESS: Single
; TOPOLOGY: linear
PCT-US92-02977-6
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                            GGAGCCAAATTT
                                                                         ATCACCGAGGCCCTAGCTTTCTTCCACTGTTGTCTGAACCCCATCCTCTATGCTTTTCCTT 1005
                                                                                                                                                                                                 CTGGCTTTCTTCGCCTGTTGGCCTTACTACATTGGGATCAGCATCGACTCCTTCATC
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                                                           GCCACCGAGATTCTGGGCTTCCTGCACAGCTGCCTCAACCCCATCATCTACGCCTTCATT
                                                                                                                    AGGACCCACGTGATCCAGGAGACGTGTGAGCGCCCCAATGACATTGACCGGGCCCTGGAC
                                                                                                                                       CTCCTGGAAATCATCAAGCAAGGGTGTGAGTTTGAGAACACTGTGCACAAGTGGATTTCC
                                                                                                                                                                              CTCATCTTCCTTCTGTTGGCTGCCCTACAACCTGGTTCTGCTCACAGACACCCTCATG
                                                                                                                                                                                                                                          CTGTTCCAGGCCCACATGGGGCAGAAGCACCGGGCCATGCGGGTCATCTTCGCCGTCGTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TGCCGGTCAGAATCTCTGGAAACCAACAGCTATGTTGTGCTCATCACCTATATCCTGGTC 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTCCCGACTTCATCTTTGCCAACGTCAGTGAGGCA---GATGACAGATATATCTG----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       467; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     h 11.6%;
Similarity 54.8%;
1027
                              1017
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 201.2; DB 5; Pred. No. 1.1e-33;
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RESULT 11 PCT-US95-03032-3

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Best Local Similarity
Matches 467; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 32,983
REFERENCE/DOCKET NUMBER: 04,
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEFAX: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/803,842
FILING DATE: 09-DEC-91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PS/2 Model 50Z or 55SX OPERATING SYSTEM: IBM P.C. DOS (Version 3.30) SOFTWARE: WordDerfeot (Version 5.0) CURRENT APPLICATION DATA:
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APPLICANT: the Trustees of Boston University
TITLE OF INVENTION: ANTIBODIES TO INTERLEUKIN-8 RECEPTORS
TITLE OF INVENTION: METHODS OF USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 02-MAY-PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 15-MAR-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
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APPLICATION NUMBER: 07/726,606
FILING DATE: 09-JUL-91
PRIOR APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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ATTORNEY/AGENT INFORMATION:
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CITY: I
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Fasse, J. Peter REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 08
FILING DATE: 02-MAY-94
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STRANDEDNESS: single
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ATCACGCTTCCCTTCTGGGCAGTTGATGCCGTGGCAAACTGGTACTTTGGGAACTTCCTA 414
                                                                                                                                               TTCTTAACTGGCATTGTGGGCAATGGATTGGTCATCCTGGTCATGGGTTACCAGAAGAAA
                                                                                                                                                                                                TGCCGGTCAGAATCTCTGGAAACCAACAGCTATGTTGTGCTCATCACCTATATCCTGGTC 238
                                                                                                                                                                                                                      TTCCGTGAAGAAATGCTAATTTCAATAAAATCTTCCTGCCCACCATCTACTCCATCATC
                                                      ACCTGCTCGGTCACCGACGTCTACCTGCTGAACCTGGCCATCGCCGACCTGCTCTTTGCC
                                                                                       CTGAGAAGCATGACGGACAAGTACAGGCTGCACCTGTCAGTGGCCGACCTCCTTTGTC
                                                                                                                           TTCCTGCTGAGCCTGCTGGCAACTCCCTGGTGATGCTGGTCATCCTGTACAGCCGGAGC
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54.8%;
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Pred. No. 1.1e-33;
0; Mismatches 373;
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PCT-US92-02977-1
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: IBM P.C. DOS (Version
SOFTWARE: WordPerfect (Version 5.0)
CURRENT APPLICATION DATA:
"PDYTTATION NUMBER: PCT/US92/02977
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1, Applicati
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
TITLE OF INVENTION:
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PRIOR APPLICATION DATA:
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            FILING DATE: 1 CLASSIFICATION:
                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                          STATE:
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                                                                                                                                                                       02110-2804
                                                                                                                                                                                                                              Boston
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                                                                                                                                                                                                        Massachusetts
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NVENTION: INTERLEUKIN-8 RECI
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                                                                                                                                                                                                                                         225 Franklin Street
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                19920410
N: 435
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                                                                                 (Version 5.0)
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TYPE: NUCLEIC ACID
STRANDEDNESS: singl
TOPOLOGY: linear
PCT-US92-02977-1
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Best Local Similarity 54.5
Matches 452; Conservative
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FILING DATE: April 10, 1991
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 0023
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-8906
TELEPAX: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                      908
                                                                                                                              829
                                                                                                                                                                                                   769
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                                                                                                                                                                                                                                 728 TIGICATCCIGICCIATIGCATIATCATCICCAAGCIGICACACICCAAGGGCCACC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   197 TCAATAAAATCTTCCTGCCCACCATCTACTCCATCATCTTCTTAACTGGCATTGTGGGCA 256
GGTGTGAGTTTGAGAACACTGTGCACCAAGTGGATTTCCATCACCGAGGCCCTAGCTTTCT
                                                                                                                                                 AGAAGCGCAAGGCCCTCAAGACCACAGTCATCCTCATCCTGGCTTTCTTCGCCTGTTGGC
                                                                                                                                                                                                TGGTCATGCTGTTTTGCTATGGGTTCACCCGTCGCACGCTGTTCCAGGCCCACATGGGGC
                                                                                                                                                                                                                                                                                                ACTIGIGGIGGIIGTGITCCAGIITCAGCACATCAIGGIIGGCCTTAICCIGGCIA
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                                                    TGCCCTACAACCTGGTCCTGGCAGACACCCTCATGAGGACCCACGTGATCCAGGAGA 948
                                                                                      CGAAATGGCGCATGGTGCGGGATCCTGCCACACACTTTCGGCTTCATCCTGCCGCTGC
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                                                                                                                          AGGAAGTCAACTTCTACAGTGAAATCCTGCTCCTGGCCTGCATCAGTGTGGACCGCTACC
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Pred. No. 1.5e-33;
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                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/202,056
FILING DATE: 25-FEB-1994
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, Richard B.
REGISTRATION NUMBER: 34,659
REGISTRATION NUMBER: 34,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 1883 bases
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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TELEPHONE: 415/225-5530
TELEFAX: 415/952-9881
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CURRENT APPLICATION DATA:
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APPLICANT: Lee, James
TITLE OF INVENTION: Antibodies
NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Chuntharapai, Ana APPLICANT: Hebert, Caroline
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                         363 TCCCTTCTGGGCAGTTGATGCCGTGGCAAACTGGTACTTTGGGAACTTCCTATGCAAGGC 422
                                                                                                                      303
                                                                             216 CGTCACTGATGTCTACCTGCTGAACCTGGCCTTGGCCGACCTACTCTTTGCCCTGACCTT
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CITY: South San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                           96
                                                                                                                                                                                                                                                                                                                        Local Similarity
nes 455; Conserv
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TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                      CATGACGGACAAGTACAGGCTGCACCTGTCAGTGGCCGACCTCTTTTGTCATCACGCT
GCCCATCTGGGCCGCCTCCAAGGTGAATGGCTGGATTTTTGGCACATTCCTGTGCAAGGT
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                                                                                                                                                                                                                                                                                                                  Score 196.8; DB 1; Pred. No. 9.8e-33; 0; Mismatches 377;
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RESULT 14
US-08-076-093A-1
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APPLICANT: Chuntharapai, And
APPLICANT: Lee, James
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kim, K.
                                         COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 mb i
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                       ADDRESSEE: Genentech, Inc.
                                                                                                                                                                                                                                                     APPLICANT: Jin Kim, K.
TITLE OF INVENTION: Antibodies
NUMBER OF SEQUENCES: 6
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APPLICATION NUMBER: US/08/076,093A FILING DATE: 11-Jun-1993 CLASSIFICATION: 530
                                                                                                                                            ZIP:
                                                                                                                                                         COUNTRY:
                                                                                                                                                                        STREET: 460 Point San Bruno
CITY: South San Francisco
STATE: California
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Db Qy В δÃ g Qy 밁 Qy Вþ ν В QΥ 밁 δÃ В Qy B δõ DЬ δÃ В

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US-08-076-093A-1
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TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 1933 nucleotide:
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Best Local :
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ETLING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 706F2
TELECOMMUNICATION INFORMATION:
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APPLICATION NUMBER: 07/8
FILING DATE: 19-DEC-1991
PRIOR APPLICATION DATA:
834 CTTCGCCTGTTGGCTGCCTTACTACATTGGGATCAGCATCGACTCCTTCATCCTCCTGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               183 AGAAAATGCTAATTTCAATAAAATCTTCCTGCCCACCATCTACTCCATCATCTTCTTAAC 242
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TELEFAX: 415/952-9881
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                                                                                       GGCCCACATGGGGCAGAAGCACCGAGCCATGAGGGTCATCTTTGCTGTCGTCCTCATCTT
                                                                                                                                             CTCCAAGGGCCACCAGAAGCGCAAGGCCCTCAAGACCACAGTCATCCTCATCCTGGCTTT
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Pred. No. 9.8e-33;
0; Mismatches 377;
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US-08-410-451-1
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                                                                                                     Matches 455;
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Best Local Similarity
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                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 70
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/25-5530
TELEPAX: 415/952-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 08/2: FILING DATE: 28-APR-1994 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech,
                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION: NAME: Love, Richard B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Lee, James, APPLICANT: Holmes, William E., APPLICANT: Woods, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
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TELEX: 910/371-7168
                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                            LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Love, Richard B REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
                                                    AGAAAATGCTAATTTCAATAAAATCTTCCTGCCCACCATCTACTCCATCATCTTTAAC 242
TGGCATTGTGGGCAATGGATTGGTCATCCTGGTCATGGGTTACCAGAAGAAACTGAGAAG 302
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                              AGAAACTGAGACACTCAACAAGTATGTTGTGATCATCGCCTATGCCCTAGTGTTCCTGCT 205
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24-mAR-1995
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Pred. No. 9.8e-33;
0; Mismatches 377;
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 TTTT
                                                                                                                                                   AATCATCAAGCAAGGGTGTGAGATTTGAGAACACTGTGCACAAGTGGATTTCCATCACCGA
                                                             GATTCTGGGATTTCTCCATAGCTGCCTCAACCCCATCATCTACGCCTTCATCGGCCAAAA 982
                                                                                                                           GGTGATCCAGGAGACCTGTGAGCGCCGCAACAACATCGGCCGGGCCCCTGGATGCCACTGA 922
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58:	57:	56:	55:	54:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

ALIGNMENTS

ACCESSION F	m 1	0	DEFINITION 2	LOCUS	AA707668/c	RESULT 1
AA707668 g2717586	PROTEIN-COUPLED RECEPTOR LCR1 HOMOLOG (HUMAN);, mRNA sequence.	clone IMAGE:451727 3' similar to gb:L06797 PROBABLE G	zj29f12.s1 Soares_fetal_liver_spleen_lNFLS_S1 Homo sapiens cDNA	AA707668 786 bp mrNA EST 24-DEC-1997		

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Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R. Tang,B., White,Y., Wylie,T., Waterston,R. and Wilson,R. Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R. Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R. Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This clone is available royalty-free through LLML; contact the IMAGE Consortium (infoimage.llnl.gov) for further information. Seq primer: -40ml3 fwd. ET from Amersham High quality sequence stop: 268.
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Washington University School of Medicine
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//lab_host="DH10B (ampicllin resistant)"
//note-"Organ: Liver and Spleen; Vector: pT7T3D (Pharmacia)
//note-"Organi: Liver and Spleen; Site_1: Pac I; Site_2: Eco RI;
//nis is a subtracted version of the organial was primed
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On Sep 12, 1996 th
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DNA Sequencing by: Washington University Genome Clone distribution: NCI-CGAP clone distribution found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                 cDNA Library Preparation:
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                                                                                                                  Contact: Robert Strausberg, Ph.D. Tel: (301) 496-1550
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                                                                               Robert_Strausberg@nih.gov
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1540 TGGCACTTATAACCAAAGCCCAAAGTGGTATAGAAATGCTGGTTTTTCAGTTTTCAGGAG
                                                                                                                                  1420 CAGAGCGTGTAGTGAATCACGTAAAGCTAGAAATGATCCCCAGCTGTTTATGCATAGATA 1479
                                                                                                                                                                                                       1360 CCAAGTTCTTAGTTGCTGTATGTCTCGTGGTAGGACTGTAGAAAAGGGAACTGAACATTC
                                                                                                                                                                                                                                                                                 1180 TAAATAACTITTTTTTAAGTTACACATTTTTCAGATATAAAAAGACTGACCAATATITGTAC
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                                                                                                                                                                                                                                                                                                                                        432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             612 CCAGGCCTCAAGATCCTCTCCAAAGAAAAGCGAGGTGAACATTCATCTGTTTCCACGGAG
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nes 754; Conserv
                                                        ATCTCTCCATTCCCGTGGAACGTTTTTCCTGTTCTTAAGACGTGATTTTGCTGTAGAAGA 1539
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TCACCGAGGCCCTA--GCTTTCCTTCCACTGTTGTCTGAA--CCCCATCCTCTATGCTTTC
                                                                                                           CAGAGCGTGTAGTGAATCACGTAAAGCTAGAAATGATCCCCAGCTGTTTATGCATAGATA 193
                                                                                                                                                                                   CCAAGTTCTTAGTTGCTGTATGTCTCGTGGTAGGACTGTAGAAAAGGGAACTGAACATTC
                                                                                                                                                                                                                                                            TAAATAACTTTTTTTTAAGTTACACATTTCTCAGATATAAAAGACTGACCAATATTGTAC
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                                                                                                                                                                                                                                                                                                                                    AGTTTTTATTGCTTGTGTGTTTTGTCTTGTGTTTTTGTGTGAAGTTTAATT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not and Eco RI sites of the modified pT/T3 vector. Library went through one round of normalization to Cot5, and was constructed by Bento Soares and M. Fatima Bonaldo. "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note="Vector: pT7T3D-Pac (Pharmacia) with a modified
polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA
was prepared from mRNA obtained from Clontech
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone_lib="Soares_testis_NHT"
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95.2%;
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                                                              GTTAAACTTAAA 1671
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ac72b06.sl Stratagene lung (#937210) Homo sapiens cDNA clone
IMAGE:868115 3' similar to gb:L06797 PROBABLE G PROTEIN-COUPLE
RECEPTOR LCR1 HOMOLOG (HUMAN); mRNA sequence.
AA634211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL;
IMAGE Consortium (info@image.llnl.gov) for further i
Insert Length: 835 Std Error: 0.00
Seq primer: -40n13 fwd. ET from Amersham
High quality sequence stop: 393.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Washington University Scho
4444 Forest Park Parkway,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Krizman, D., Kucaba, T., Lacy, M., Le, N., Lennon, G., Marra, M., Krizman, D., Kucaba, T., Lacy, M., Le, N., Lennon, G., Marra, M., Martin, J., Moore, B., Schellenberg, K., Steptoe, M., Tan, F., Theising, B., White, Y., Wylie, T., Waterston, R. and Wilson, R.
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                                                                                                                                                                                                                    /dev_stage="72 years"
/lab_host="SOLR cells (kanamycin resistant)"
                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:868115"
                                                                                                                                                                                                                                                                                                                                                                         /sex="male"
                                                                                                                                                                                                                                                                                                                                                                                            /clone_lib="Stratagene lung (#937210)"
                                                                                                                              34.9%;
94.0%;
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                                                                                                             Score 606.6; DB 36;
Pred. No. 9.9e-101;
0; Mismatches 40;
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Email: Robert_Strausberg@nih.gov
Life Technologies catalog #: 11548-013
DNA Sequencing by: Washington University Genome
Clone distribution: NCI-CGAP clone distribution
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
                                                   Contact: Robert Strausberg,
Tel: (301) 496-1550
Email: Robert_Strausberg@nil
                                                                                               Unpublished (1997)
On May 18, 1998 th
                                                                                                                   NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy
Tumor Gene Index
                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.

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                                                               GCCCAAAGTGGTATAGAAATGCTGGTTTTTCAGTTTTCAGGAGTGGGTTGATTTCAGCAC 1616
                                                                                                                                                                                                                                                                   CACGTAAAGCTAGAAATGATCCCCAGCTGTTTATGCATAGATAATCTCTCCATTCCCGTG
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Seq primer: -40UP from
High quality sequence s
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Conservative
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S1te_2: NotI; Cloned unidirectionally.
Average insert size 1.72 kb. Life Techn
11548-013"
a 130 c 109 g 184 t 2 oth
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/clone_lib="NCI_CGAP_Pan1"
/tissue_type="adenocarcinoma"
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/db_xref="taxon:9606"
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ion/Qualifiers
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Pred. No. 8.6e-100;
0; Mismatches 8;
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                                                CAA--GGAAAGCGAGTGGACATTCATCTGTTTCCACTGAGTCTGAGTCTTCAAGTTTTCA 533
                                                                                                                                                                                                                         AAAACCTCGCCCAGACGCACTACACCTTGTGAGCAGA-GGTCCAGCCTCAAGATCCTCTC 591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    l (bases 1 to 651)
Hiller,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jos: Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R. Washd-NCI human EST Project
Unpublished (1997)
On Sep 12, 1996 + ht.
AA634201 651 bp mRNA
ac72a07.s1 Stratagene lung (#937210)
IMAGE:868116 3' similar to gb:L06797
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Seq primer: -40ml3 fwd. ET from Amersham High quality sequence stop: 413.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4444 Forest Park Parkway,
Tel: 314 286 1800
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RECEPTOR LCR1 HOMOLOG (HUMAN);, mRNA sequence. AA634201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: est@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Wilson RK
Washington University
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/clone_lib="Stratagene lung (#937210)"
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                       34.1%;
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Pred. No. 3.7e-98;
0; Mismatches 21;
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AA935648
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Entheria; Primates; Catarrhini; Hominidae; Homo.
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On Jan 17, 1998 th
                                                                                                                                                                                                                                                                                                                                                          High quality sequence stop:
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National Cancer Institute, Cancer Genome Anatomy
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/note="Organ: pooled; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; Equal amounts of plasmid DNA from three normalized libraries (fetal lung NbHL19W, testis NHT, and B-cell NCI_CGAP_GCB1) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 297480-302087, 682632-687239,
                                                                                                                                                                                                       /clone="IMAGE:1578064"
/clone_lib="Soares_NFL_T_GBC_S1"
/lab_host="DH10B"
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589; Conserv
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LV24HU5.rl Soares_NhHMPU_S1 Homo sapiens cDNA clone IMAGE:754619
similar to gb:L06797 PROBABLE G PROTEIN-COUPLED RECEPTOR LCR1
HOMOLOG (HUMAN);, mRNA sequence.
AA411265
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 599)

Hillier, L., Allen, M., Bowles, L., Dubuque, T., Geisel, G., Jost, R., Kucaba, T., Lacy, M., Le, N., Lennon, G., Marra, M., Martin, J., Moore, B., Schellenberg, K., Steptoe, M., Tan, F., Theising, B., White, Y., Wylie, T., Waterston, R. and Wilson, R. Washu-Merck EST project 1997

Unpublished (1997)

On Sep 12, 1996 this sequence version replaced gi:1406946.
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Soares and M. Fatima Bonaldo. "
116 c 89 g 164 t
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Pred. No. 1.5e-97;
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4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: -28m13 rev2 ET from Amersham
                                  CCTGTTCTTAAGACGTGATTTTGCTGTAGAAGATGGCACTTATAACCAAAGCCCAAAGTG
                                                         CCTGTTCTTAAGACGTGATTTTGCTGTAGAAGATGGCACTTATAAACCAAAGCCCAAAGTG
                                                                                                       TAGAAATGATCCCCAGCTGTTTATGCATAGATAATCTCTCCCATTCCCGTGGAACGTTTTT
                                                                                                                                    TAGAAATGATCCCCCAGCTGTTTATGCATAGATAATCTCTCCATTCCCGTGGAACGTTTTT 1506
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/tissue_type="pooled human me
pregnant uterus"
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/db_xref="GDB:5977529"
/db_xref="taxon:9606"
/clone="IMAGE:754619"
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Emmert-Buck, M.D., Ph.D.
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Unpublished (1997)
On Sep 12, 1996 this sequence version replaced
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National Cancer Institute, Cancer Genome Anatomy
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ct: Robert Strausberg, Ph.D. (301) 496-1550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Robert_Strausberg@nih.gov
                                                                                                                                                                  /db_xref="taxon:9606"
/clone="IMAGE:1072327"
/clone_lib="NCI_CGAP_Br3"
                                                                                                                                                                                                                                                                      /sex="female"
                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
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99.5%;
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Pred. No. 6.6e-90;
Pred. No. 6.6e-90;
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DNA Sequencing by: Washington University Genome
Clone distribution: NCI-CGAP clone distribution
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                   Ph.D., Gerald Marti, M.D. cDNA Library Preparation: M. Bento
                                                                                                                                                                                                                                                                                                                                                                                    Tumor Gene Index
Unpublished (1997)
On Jan 9, 1998 this sequence version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AA743645 556 bp mRNA 22-JAN-1998 ny24909.51 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1272736 similar to gb:L06797 PROBABLE G PROTEIN-COUPLED RECEPTOR LCR1 HOMOLOG (HUMAN); mRNA sequence.
                                                                                                                                                                                                                                                                                                                    Contact: Robert Strausberg, Ph.D. Tel: (301) 496-1550
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
                                                                                                                                                                                                                                                                                        Email: Robert_Strausberg@nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                          NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eutheria; Primates; Catarrhini; Hominidae; 1 (bases 1 to 556)
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/db_xref="taxon:9606"
/clone="IMAGE:1272736"
/clone_lib="NCI_CGAP_GCB1"
/tissue_type="germinal center B continue"/lab_host="DH10B"
539 bp mRNA EST NCI_CGAP_Lul Homo sapiens cDNA clone gb:L06797 PROBABLE G PROTEIN-COUPLED
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                                                                                                                                                                                                                                                                                           539;
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High quality sequence stop: 432.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: Robert_Strausberg@nih.gov
Tissue Procurement: L. Jeffrey Medeiros, M.D.,
Emmert-Buck, M.D., Ph.D.
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Unpublished (1997)
On Sep 12, 1996 th
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy
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Eutheria; Primates;
1 (bases 1 to 539)
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                                                                                                                                                                                                                                                                                          Conservative
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/clone="IMAGE:1142297"
/clone_lib="NCI_CGAP_Lul_
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/db_xref="taxon:9606"
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0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: -28mi3 rev2 ET from Amersham
High quality sequence stop: 421.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 521)

Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S., Kucaba,T., Lacy,M., Le.N., Lennon,G., Marra,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R. WashU-Werck EST project 1997

Unpublished (1997)

On Sep 12, 1996 this sequence version replaced gi:1393144.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. I Tel: 314 286 1800 Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AA479467 521 bp mRNA EST 08-AUG-1997 zv17110.rl Soares_NhHMPU_S1 Homo sapiens cDNA clone IMAGE:753 similar to gb:L05797 PROBABLE G PROTEIN-COUPLED RECEPTOR LCR1 HOMOLOG_(HUMAN); mRNA sequence.
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           132
/note="Organ: mixed (see below); Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I: Site_1: Eco RI; Equal amounts of plasmid DNA from three normalized libraries (melanocyte 2NbHM, pregnant uterus NbHPU, and fetal heart NbHH19W) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 260232-265223, 340488-345479, and 484488-489479."
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                                                                                                                                                                                                                                                                                     pregnant uterus"
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/tissue_type="Pooled human me
                                                                                                                                                                                                                                                                                                                                                                      /organism="Homo sapiens"
/db_xref="GDB:5976803"
/db_xref="taxon:9606"
/map="956G09; 1"
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                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 55) NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap. National Cancer Institute, Cancer Genome Anatomy Prom
                                                                                                                                                                                                                                                                                                                                 nx85d08.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1269039 Similar to gb:L06797 PROBABLE G PROTEIN-COUPLED RECEPTOR LCR1 HOMOLOG (HUMAN);, mRNA sequence.

AA747545
                          Tissue Procurement: Louis M. Staudt,
Ph.D., Gerald Marti, M.D.,
cDNA Library Preparation: M. Bento
                                                                                                                                   Unpublished (1997)
On May 18, 1995 th
               Bonaldo,
                                                                                       Contact: Robert Str
Tel: (301) 496-1550
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GTTGATTTCAGCACCTACAGTGTACAGTCTTGTATTAAGTTGTTAATAAAAGTACATGTT
                   GTTGATTTCAGCACCTACAGTGTACAGTCTTGTATTAAGTTGTTAATAAAAGTACATGTT 1662
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                                                                                                                           CTCCAGTTCCCGTGGAACGTTTTTCCTGTTCTTAAGACGTGATTTTGCTGTAGAAGATGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        www-bio.llnl.gov/bbrp/image/image.html
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97.5%;
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/clone_lib="Stratagene endothelial cell 937223"
/dev_stage="umbilical vein, 1 passage"
/lab_host="SOLR (kanamycin resistant)"
/note="Vector: pBluescript SK-; Site_1: EcoRI; Site_2:
/note="Vector: pBluescript Sk-; Site_1: EcoRI; Site_2: EcoRI; Site_2
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AA804282
                                                                                                        Email: Robert_Strausberg@nih.gov
Tissue Procurement: Louis M. Staudt, M.D., Ph.D., David Allman,
Ph.D., Gerald Marti, M.D.
cDNA Library Preparation: Louis M. Staudt, M.D., Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-GGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D. Tel: (301) 496-1550
                                                                                                                                                                                                                                                                                 Unpublished
On Jan 14, 1
                                                                                                                                                                                                                                                                                                                Tumor Gene Index
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National Cancer Institute, Cancer Genome Anatomy
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              Eukaryota;
Eutheria; F
                                                                                                                                  AA426644 501 bp mRNA EST 16-OCT-1997 zv47hl1.sl Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:756837 3' similar to 9b:L06797 PROBABLE G PROTEIN-COUPLED RECEPTOR LCR1 HOMOLOG (HUMAN);, mRNA sequence.
                                             Homo sapiens
                                                            human
                                                                                           AA426644.1
                                                                                                            g2107314
                                                                                                                          AA426644
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theria; Primates; (bases 1 to 501)
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/db_xref="taxon:9606"
/map="21"
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/tissue_type="germinal center B-cells"
/lab_host="SOLR (kanamycin resistant)"
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                               Metazoa;
                                                                                             GI:2107314
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98.1%;
                  Catarrhini;
                               Chordata; Craniata; Vertebrata; Mammalia;
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                  Hominidae;
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JOURNAL
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Best Local Similarity
Matches 501; Conserv
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                                  1550
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TATAAATTTTTTTTGTTTCATATTGATGTGTGTCTAGGCAGGACCTGTGGCCAAGTTCTT 322
                                                                                                                                                                                                                                                                                                                       GCTTGTTGGATTTTTGTCTTGTGTTTTCTTTAGTTTTTGTGAAGTTTAATTGACTTATTTA 382
                                                                                                                                                 AGTGAATCACGTAAAGCTAGAAATGATCCCCAGCTGTTTATGCATAGATAATCTCTCCAT 1489
                                                                                                                                                                                                             AGTTGCTGTATGTCTCGTGGTAGGACTGTAGAAAAGGGAACTGAACATTCCAGAGCGTGT 1429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S., Kucaba,T., Lavy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylle,T., Waterston,R. and Wilson,R. WashU-Merck EST project 1997
Unpublished (1997)
On Apr 14, 1993 this sequence version replaced gi:693425.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: estewatson.wustl.edu
This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: -41m13 fwd. ET from Amersham
High quality sequence stop: 332.
Location/Qualifiers
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Fax: 314 286 1810
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4444 Forest Park Parkway, Box 8501, St. Louis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Wilson RK
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1 99 c 69 g
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                                                                                                                                                                                                                                                                                                                                                                                                                                               28.8%; Score 501; DB 33; Length 501; 100.0%; Pred. No. 1.3e-81; tive 0; Mismatches 0; Indels
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